

PRODUCT

SOLUTION GUIDE

2025

INDUSTRIAL COMPUTING SOLUTIONS FROM THE EDGE TO THE CLOUD



BEYOND THE RUGGED EDGE

YOUR TOP CHOICE PARTNER IN INDUSTRIAL COMPUTING FROM THE

EDGE TO THE CLOUD

Established in 2011, Taipei, C&T Solution Inc. is becoming one of the fastest-growing companies in the Industrial Computing Systems field. With its obsession with creating the best rugged edge computers as the core of great industrial leading solutions, C&T has become one of the top enterprises in providing world-class industrial embedded systems.

C&T is a global solutions provider specializing in industrial computer and embedded fields. We are committed to developing and manufacturing rugged edge computers, industrial panel PCs, industrial display systems, and industrial motherboards. C&T strives for the highest standards in innovation and technology to stay ahead of competitors in terms of design, technology, reliability, and versatility.

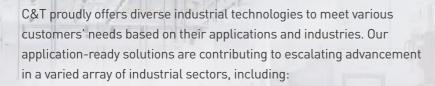
Our teams have worked strongly and closely with the customers to provide the high-quality and high-value creation of robust embedded computers. Moreover, our engineering specialty and agile manufacturing push the technical boundaries in embedded IoT computers. As a result, C&T is determined to become your top choice partner in industrial computing solutions. Therefore, C&T has an extensive customer base through global network and distribution partners from offices located worldwide.











- Industrial Automation
- Transportation
- Food & Beverage
- Military
- Kiosk & Retail
- Security & Surveillance
- Intelligent Healthcare
- Machine Vision & Robotics



OUR MISSION

C&T is dedicated to creating and delivering world-class technology solutions that empower our clients to reach their business goals. We will apply the highest creativity, integrity, quality, and innovation standards to our products and concepts.



OUR VISION

Our vision is to create the best rugged edge computers as the core of great solutions that transform people's life. We will relentlessly innovate to deliver world-class edge computers for industry-leading solutions.



OUR VALUE

We strive to exceed our customers' expectations with innovative and competitive solutions. For us, this means providing unsurpassed service, delivering premium value, and offering a competitive edge to tour customers. Additionally, our OEM and ODM collaboration constantlyaim to deliver high-quality products, reliable partnerships, professional service, and competitive price, service, and competitive price.



OUR CORE VALUES

We deliver our core brand values through the way we conduct business. C&T core values of Innovation, Commitment, Collaboration, Agility, and Accountability guide our decisions to exceed expectations.

AGILITY

We are flexible, adaptable, and responsive to the change in demands of our customers, the market, and our environment. We are willing to learn and create new ideas to drive and embrace changes actively.

INNOVATION

We constantly strive to drive innovation into all aspects of our business to provide products that deliver reliability, quality, performance, and value creation.

COLLABORATION

We work together to contribute to the development of new products and services that will ensure the success of our customers.

ACCOUNTABILITY

We always hold ourselves accountable for our products, services, and actions to our employees, customers, and partners.

COMMITMENT

We offer our valued customers the highest possible standards of solutions. At C&T, we treat customers with dignity, respect, and courtesy. We listen objectively to their needs and respond in a timely, efficient, and responsible manner.

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INDUSTRIAL COMPUTERS

C&T's fanless embedded systems are extremely flexible and reliable to provide integrated solutions to meet different needs. With its superior features integration, exceptional system performance, flexible I/O connections, wide range power input, smart management functions, and rugged reliability, C&T fanless embedded systems deliver a compelling platform that is needed in today's demanding workloads and industrial needs.

BCO SERIES 16
SEMI-RUGGED INDUSTRIAL
COMPUTERS



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SUPER-RUGGED INDUSTRIAL
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IP68/IP69K WATERPROOF INDUSTRIAL COMPUTERS



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RAILWAY & IN-VEHICLE



INDUSTRIAL PANEL PCS AND TOUCH MONITORS

C&T's Industrial Panel PCs and Touch Monitors are purpose-built for the toughest embedded deployments requiring mission-critical reliability. System integrators and automation engineers can easily deploy C&T industrial panel PCs and touch monitors as human machine interfaces to achieve better productivity and operational efficiency in their enterprise projects.

HIO SERIES

IP65 OPEN-FRAME
INDUSTRIAL
TOUCHSCREEN COMPUTERS



AIO SERIES

IP65 ALL-IN-ONE INDUSTRIAL TOUCHSCREEN COMPUTERS & MONITORS



50

VIO SERIES

IP65 MODULAR INDUSTRIAL TOUCHSCREEN MONITORS & TOUCHSCREEN COMPUTERS

· Display Module

· PC Module



SIO SERIES

IP68/69K STAINLESS STEEL INDUSTRIAL TOUCHSCREEN COMPUTERS



INDUSTRIAL BOARD SOLUTIONS

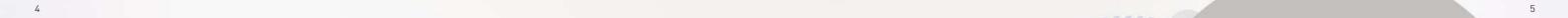
C&T offers industrial-grade scalability with standard motherboards and OEM system design. Standard form factors include:

Single board computers (1.8" FEMTO-ITX, 2.5" PICO-ITX, and 3.5" SBCs); Mini-ITX; and Micro-ATX.









APPLICATION

RAILWAY & ROLLING STOCK



JCO-6000-ORN Series



NVIDIA Jetson AGX Orin





ACO-6000-RPL Series intel. Visit P.45



In-Vehicle Computer with Intel® 12th/13th/14th Gen Processors



FULL Certification EN50155 EN45545



USB Locking

M12 PoE

RCO-3000-RPL Series intel.





Small Form Factor Computer with Intel® 12th/13th/14th Gen Processors



5G 3x SIM Slot

-25°C to 70°C Wide Temperature







& AGV

RCO-6000-RPL Series intel. Visit P.27



Industrial Computer with Intel® 12th/13th/14th Gen Processors





















Mid-Range Al Computer with NVIDIA Jetson Orin NX and Orin Nano Visit P.38



00B



Remote Management



5G 2x SIM Slot Rich I/O

Customizable I/O Modules



-40°C to 70°C

Wide Temperature

RCO-1000-EHL Series intel.

Compact fanless embedded Computer with Intel® Elkhart Lake x6425E Atom® Processor Visit P.24



BCO-6000-RPL Series Visit P.21



High-Performance Industrial Edge Computer with Intel® 12th/13th/14th Gen Processors

GPU

Cost Effective

VCO-6000-RPL Series Visit P.47



Machine Vision Computer with Intel® 12th/13th/14th Gen Processors



600W **GPU Power**

Dual GPU RTX 4000 SFF ADA







Rackmount

Dual GPU RTX A4000 SFF

DETECTION

KCO-3000-RPL Series Visit P.49



3U Rackmount Fanned Industrial Computer with Intel® 12th/13th/14th Gen Processors

3U

SMART MANUFACTURING TOUCH SCREEN COMPUTERS









AIO-200-ADL Series

All-in-One IP65 Industrial Panel PC



IP65 Front Pane Protection



ADL/ASL Intel N97 and X7835RE CPU





SUS316 Corrosion Proof









00B

DC0-1000-ASL Series

DIN-Rail Fanless Computer with Intel® Atom® X7433RE Amston Lake Processor



WCO-3000-EHL Series

IP68/69K Waterproof Computer with Intel® Atom® X6425E Elkhart Lake Processor

IP68/69K

Dustproof & Waterproof

M12 Optional 2x PoE

-40°C to 60°C Wide Temperature



ECO-1000 Series

EDGEBoost EnergyPack Industrial-Grade Supercapacitor UPS

200W High Power

Output

10Year Extra Longevity

-25°C to 55°C Wide Temperature

B-1







KIOSK & RETAIL





-10°C to 50°C

HIO-200-ADL Series

Open-Frame Touchscreen Computer with Intel® Atom® N97 Processor



JCO-1000-ORN Series

Fanless Mini PC with NVIDIA Jetson Orin NX/Nano Super Module

40 TOPS

Edge Al Enabled

Mini 150 x 105 x 61 mm

-20°C to 60°C

Wide Temperature

Rich I/O

Rich I/O Ports and M.2 Expansions





BCO-500 Series

Fanless Mini PC with Intel® Atom® X7835RE and N97 Processor

Mini NUC

Intel® NUC Alternative

Dual 4K DP and HDMI

4G/5G

High-Speed Wireless Connectivity

Rich I/O Rich I/O Ports and M.2 Expansions

THE EDGE CONTINUUM

Industrial Edge Computer Series

The Edge Continuum spans a broad spectrum of computing solutions, from the remote constrained edge to the cloud edge servers, enabling instant data analytics, seamless connectivity, and robust control across all layers of industrial operations. Our Industrial Computers and Panel PCs seamlessly integrate within the "User Edge," where low-latency computing and industrial-grade durability are paramount. Our computing solutions are segmented into three layers within the User Edge Continuum—Industrial Edge, Rugged Edge, and Specialized Edge.

USER EDGE





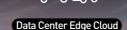


End User Edge





Distributed Edge



Specialized Edge

Designed for Industry-Specific Needs

Validated with Niche Certifications

EN45545 (Fire Safety)

- IP68/IP69K (Waterproof)

E-Mark (In-Vehicle)

- EN50155 (Railway)

Industrial Edge

- Controlled Environments • Fanless Cooling Design
- Dust, Shock, and Vibration Resistant
- Standardized Form Factors
- Durable and Cost-Effective
- Long Lifetime Support

BCO Series





The BCO series provides a comprehensive range of computing power, making it ideal for diverse industrial edge applications that require reliable, dust-resistant, and longlifespan solutions.

Rugged Edge

- Extreme Environments
- Wide Operating Temperature
- Powerful Computing Capabilities
- Supports EDGEBoost Technology for I/O, M.2, and PCIe Customization

The RCO series is engineered for ultimate

customizability, creating a unique blend of

industrial durability and unparalleled

ruggedness and flexibility.

Jetson EDGE AI Computers

JCO Series

- Reinforced Durability

RCO Series Super-Rugged Computers





IP68/IP69K Waterproof



ACO Series EN50155 Railway





VCO Series







DELIVER INTELLIGENCE AT THE END USER EDGE

Our touchscreen computer series are available across the three User Edge segments, providing a wide variety of options for end-user applications. Additionally, the displays on our touchscreen computers (Panel PCs) can be configured with multiple optional features, such as PCAP or resistive touch, optical bonding, high-brightness 1000+ nits displays, and various mounting options. Our Panel PCs are available in sizes ranging from 10" up to 24" with 4:3 and 16:9 Full HD displays. Explore each Panel PC series to discover the unique features each solution offers.

USER EDGE

SERVICE EDGE / CLOUD









Industrial Edge

- · Controlled Environments
- Flexible Performance
- Fanless Cooling Design
- IP65 Front Display • 10"-21" Full HD Displays
- Extended MTBF

AIO Series

All-In-One Touchscreen Computers

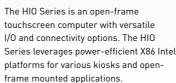




The AIO Series is an all-in-one touchscreen computer designed to deliver efficient edge computing through its Intel X86 and Rockchip platforms, supporting various operating systems including Windows, Linux, and Android.

HIO Series Open-Frame Touchscreen Computers





Rugged Edge

- Industrial Environments
- · Various Computing Capabilities
- Wide Temperature Range · Shock & Vibration Resistant
- Reinforced Durability
- Fit for Demanding Edge Applications

VIO Series

Modular Touchscreen Monitors and Computers





The VIO Series is a unique, modular IP65 touch display system that allows VIO displays to be configured as either a touchscreen computer or a touchscreen monitor. VIO displays can be paired with different modules for monitor (MX Series) or computer (PC Series) functionality.







Applications

SIO Series SUS 316 Stainless Steel Touchscreen Computers

Specialized Edge

316 Stainless Steel, and Optical Bonding

 Tailored for Industry-Specific Needs • Includes IP68/IP69K Waterproof, SUS-

Targeted Functionality for Specialized



The SIO Series is an IP68/IP69K-rated Panel PC built with full SUS-316 stainless steel construction, offering superior waterproof and corrosion-resistant protection during intense washdowns.

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INDUSTRIAL EDGE COMPUTERS



BCO SERIES

SEMI-RUGGED INDUSTRIAL COMPUTERS



WCO SERIES

IP68/IP69K WATERPROOF INDUSTRIAL COMPUTERS



RCO SERIES

SUPER-RUGGED INDUSTRIAL COMPUTERS



ACO SERIES

RAILWAY & IN-VEHICLE INDUSTRIAL COMPUTERS



JCO SERIES

JETSON AI EDGE INDUSTRIAL COMPUTERS



VCO SERIES

MACHINE VISION INDUSTRIAL COMPUTERS



DCO SERIES

DIN RAIL FANLESS INDUSTRIAL COMPUTERS



KCO SERIES

FANNED INDUSTRIAL COMPUTERS

EDGEBoost Technologies



EDGEBoost Nodes

EBND SERIES

EDGE AI PERFORMANCE ACCELERATORS MODULES



EDGEBoost I/O

EBIO SERIES

FLEXIBLE I/O AND M.2 **EXPANSION MODULES**



EDGEBoost EnergyPack

ECO SERIES

SUPERCAPACITOR UPS **BACKUP SYSTEM**



FANLESS DESIGN

- Prevent failure/repair/ replacement caused by fan part
- Venting holes no longer needed
- Extended MTBF
- No noise



ONE-PIECE DESIGN

- Robust structure
- Less joint parts and screws for higher shock & vibration tolerance
- Easy assembly, disassembly, maintenance
- Sealed housing to prevent dust



POWER PROTECTION

- Over voltage protection
- Over current protection
- Reverse protection



SHOCK & VIBRATION

RCO & ACO Series comply with MIL-STD 810G on shock & vibration in order to sustain in environment like industrial automation, transportation, military, etc.



EXPANDABLE & MODULARIZATION

The modular design approach helps with the ease of installation to achieve rapid deployment, and provide wide variety of configurable options to achieve scalability.



EXTENDED OPERATING TEMPERATURE RANGE

C&T fanless embedded systems support extended temperature to allow applications to function in difficult and harsh environment.

COMMITMENT TO INDUSTRIAL CYBERSECURITY

We have achieved IEC 62443 certification, reflecting our dedication to implementing and maintaining the highest standards of cybersecurity in industrial automation and control systems. This certification demonstrates our ongoing commitment to safeguarding critical infrastructure and delivering secure, reliable solutions.



IEC 62443-4-1

INDUSTRY LEADING SAFETY CERTIFICATIONS

Tested and validated with safety certifications ensure product reliability against safety hazards and allow customers to comply with industryspecific regulatory requirements.





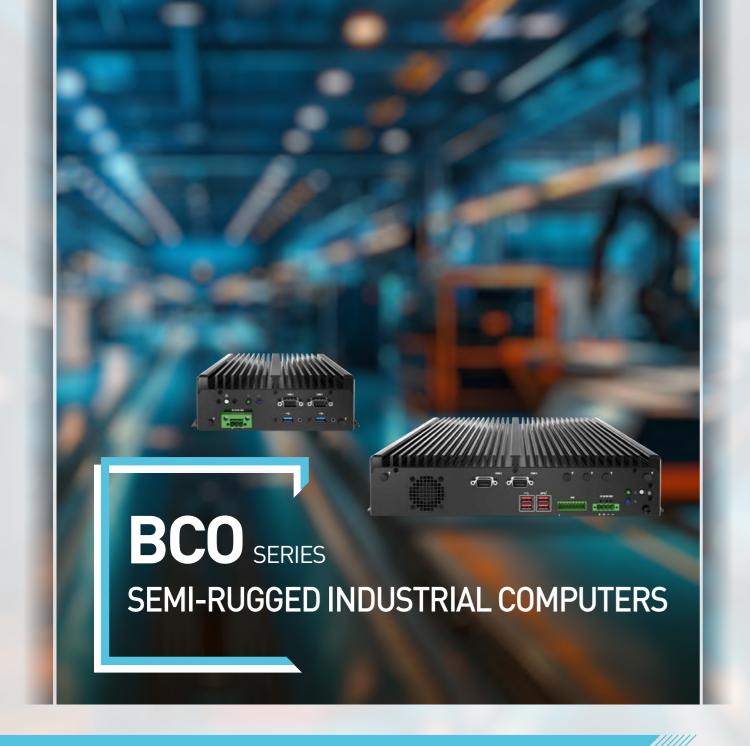












REAL-TIME DATA PROCESSING FOR RUGGED EDGE COMPUTING

The BCO Series are designed and built to withstand deployment in challenging environments, managing workloads at the rugged edge for processing, storage, connectivity, and machine learning. Available in four series, the BCO-500, BCO-1000, BCO-3000, and BCO-6000 Series are capable of accommodating various edge workloads from power efficient computers to scalable GPU computers.







Support Expandable GPU



Fast Time To Market





BCO-500 SERIES

- Intel® Alder Lake / Intel® Atom® Processors
- Mini Form Factor
- High-Speed I/O Ports and Wireless Connectivity
- Competitive Price and Long Lifetime Support

BCO-3000 SERIES

- Intel® Core Processors
- Powerful 35W Edge Performance
- Rich I/O Ports and M.2 Expansions
- Up to Triple Displays / Triple RJ45 LAN Ports

BCO-1000 SERIES

- Intel® Alder Lake / Intel® Atom® Processors
- Power Efficient 12W Performance
- Digital and Analog I/O Connectivity
- Competitive Price and Long Lifetime Support

BCO-6000 SERIES

- Intel® Core Processors
- Powerful 35W Edge Performance
- Rich I/O Ports and M.2 Expansions
- 2x PCle Gen 4 Slots with GPU Support



BCO-500 SERIES









Model	BCO-500-ADL
CPU Support	12 th Gen Intel [®] IoTG Alder Lake-N N97 Processor Intel [®] Core™ i3-N305 Processor
Memory	1x 262-Pin DDR5 4800MT/s SODIMM. Max. up to 16GB (Default 8GB)
Display	1x 4K HDMI 1.4b 1x 4K DisplayPort 1.4a
Storage	1x M.2 B Key (2242/3042, SATA/PCIe x1, support NVMe/SATA)
Expansion	1x M.2 E Key (2230, PCIe x1, USB 2.0, support Wifi/Bluetooth)
1/0	2x RJ45 (2.5GbE) 1x RS-232/422/485 1x RS-232 4x USB 3.2 Gen 2 (10 Gbps)
Power	3-pin, AT/ATX 12~36V
Operating Temp	-10°C to 50°C (12W CPU)
Certification	CE, FCC Class A, UL, VCCI, RCM
Dimensions (WxDxH)	225 x 130 x 41 (mm)







Model	BCO-1000-ADLN	BCO-1000-ADLN-B_3L				
CPU Support	12 th Gen Intel [®] IoTG Alder Lake-N N97 Processor	12 th Gen Intel [®] IoTG Alder Lake-N N97 Processor Intel [®] Atom [®] x7835RE Processor				
Memory	DDR5 4800MT/s SODIMM. Max. up to 16GB (Default 8GB)					
Display	1x 4K DisplayPort 1.4a 1x 4K HDMI 1.4b					
Storage	1x Internal 2.5" SATA S	SD Bay (7mm or 9mm)				
Expansion	1x M.2 B Key (2242/2280/3042, SATA/PCIe x1, support NVMe/SATA) 1x M.2 E Key (2230, PCIe x1 & USB 2.0, support Wifi 6E & BT-5.1)	1x M.2 B Key (2242/2280/3042, SATA/PCIe x1/ USB3.0 support LTE/4G/5G/Storage Module), 1x M.2 E Key (2230, PCIe x1 & USB 2.0, support Wifi 6E & BT-5.1), 1x Dual SIM Socket (SIM1/SIM2)				
1/0	2x RJ45 (2.5GbE) 1x RS-232/422/485 1x RS-232 2x USB 3.2 Gen2 (10 Gbps) 2x USB 3.2 Gen1 (5 Gbps) 2x USB 2.0, 8x GPI0 Line-in/Line-out/Mic-in	3x RJ45 (2.5GbE) 1x RS-232/422/485 1x RS-232 2x USB 3.2 Gen1 (5 Gbps) 2x USB 2.0 8x GPI0 Line-in/Line-out/Mic-in				
Power	3-pin, AT, ATX 9~36V	3-pin, AT, ATX 12~36V				
Operating Temp	0°C to 50°C					
Certification	CE, FCC Class A	UL 62368 Ed.3, CE, FCC Class A				
Dimensions (WxDxH)	192 x 140 x 68 (mm)					

BCO-2000-RYZ SERIES MORE



BCO-3000-RPL SERIES

BCO-6000-RPL SERIES



intel. Whiskey Lake CERTIFIED SWETVISCA E357184









A 2 R		A # # #	
Model	BC0-2000	Model	BC0-2000-RYZ-V1605B
CPU Support	8 th Gen Intel® WL-UE Processor, Core™ i5-8365UE or Celeron® 4305UE	CPU Support	AMD Ryzen™ Embedded V1605B with Radeon™ Vega 8 Graphics, 3.6 GHz (4 Cores)
Memory	1x 260-Pin DDR4 2400MT/s SODIMM. Max. up to 32GB (Default 8GB)	Memory	2x 260-pin DDR4 2400MT/s SODIMM. Max. up to 32GB (Default: 8GB, ECC/non-ECC)
Display	1x 4K DisplayPort 1x 4K HDMI (optional)	Display	1x 4K DisplayPort 1.4, DP++ 1x 4K HDMI 2.0b
Storage	1x Internal 2.5" SATA HDD Bay (support H=9.5mm), 1x Internal SATA 7P connector 1x mSATA (Shared by 1x Mini PCI Express)	Storage	1x Internal 2.5" SATA HDD Bay (support H=9.5mm) 1x M.2 B Key (3042, support SATA)
Expansion	2x Full-size Mini PCIe (1x shared by 1x mSATA) 1x Internal SIM slot	Expansion	1x Full-Size Mini PCIe 1x M.2 B Key (3042/3052, PCIe x1 & USB 3.0, SATA, USIM, Support 4G/5G)
I/O Expansion	2x I/O Expansion for USB and COM Ports	I/O Expansion	2x I/O Expansion for USB and COM Ports
1/0	2x RJ45 (2.5GbE) 2x RS-232/422/485 4x USB 3.2 Gen 2 (10 Gbps) 2x USB 2.0 header (internal)	1/0	2x RJ45 (2.5GbE) 2x RS-232/422/485 2x USB 3.2 Gen 2 (10 Gbps), 4x USB 2.0 (internal)
Power	3-pin, AT/ATX 12V	Power	3-pin, AT/ATX 12V
Operating Temp	-20°C up to 60°C	Operating Temp	-20°C to 55°C (25W CPU)
Certification	UL 62368 Ed.3, CE, FCC Class A	Certification	UL 62368 Ed.3, CE, FCC Class A
Dimensions (WxDxH)	140 x 192 x 61 (mm)	Dimensions (WxDxH)	140 x 192 x 57.6 (mm)







Model	BC0-3000-RPL	BCO-6000-RPL				
CPU Support	12 th /13 th /14 th Gen Intel [®] Core™ Processor i3/i5/i7/i9, Pentium, Celeron (35W only)					
Memory	2x DDR4 3200MT/s S0DIMM. Max. up to 64GB (Default 8GB)					
Display	2x 4K Dual Mode DisplayPort 1.4a 1x 4K HDMI 1.4b					
Storage	1x M.2 M Key (2242/2280, PCIe x4 Gen 3, support Storage/AI Module, Default 128GB)					
Expansion	1x M.2 B Key (3042, PCIe +USB 3.2 Gen 2x1+ USB 2.0, support 5G/4G/LTE Module) 1x M.2 E Key (2230, PCIe x1 + USB 2.0, support Wi-Fi 6E & BT-5.1)					
PCIe	2x PCIe x8 or 1x PCIe x16 (PCIe 4.0, support A2000 GPU)					
1/0	2x RS232/422/485, 2x RS485 3x RJ45 (2.5GbE) 6x USB 3.2 Gen 2 (10 Gbps), 2x USB 3.2 Gen 1 (5 Gbps), 2x USB 2.0 Type-A					
Power	4-pin, AT, ATX 9~36V	4-pin, AT, ATX 9~36V 24~36VDC for add GPU Card				
Operating Temp	0°C to	50°C				
Shock & Vibration	With SSD: 5 Grms (5 - 500 Hz, 0.5 hr/axis) With SSD: 50G half-sin 11ms					
Certification	UL 62368 Ed.3, CE, FCC Class A					
Dimensions (WxDxH)	192 x 240 x 69 (mm) 330 x 240 x 69 (mm)					



PERFORMANCE, EXPANDABILITY, AND DURABILITY AT THE RUGGED EDGE

The RCO Series is a line of super-rugged x86 industrial computers purpose-built to enable real-time performance in extreme deployments. By leveraging a fanless and cableless design approach with modular EDGEBoost technologies, these systems can provide seamless configurability to meet varying edge-native deployment requirements while maintaining utmost durability. Available in three series, the RCO-1000, RCO-3000, and RCO-6000 Series.





EDGEBoost Nodes Support



Scalable NVMe, SATA, and RAID Card



Scalable Robust GPU Cards



RCO-1000 SERIES

- Intel Atom® Processors
- Up to 3x EDGEBoost I/O
- Lite Al Performance
- Up to 2x PoE and 2x LAN RJ45
- Wide Operating Temperature -40°C up to 70°C

RCO-3000 SERIES

- Intel® Core Processors
- 1x EDGEBoost I/O
- Mid-Al Performance
- Up to 4x PoE RJ45/M12
- Wide Operating Temperature -25°C up to 70°C
- EN50155 (EMC) Certified

RCO-6000 SERIES

- Intel® Core Processors
- 2x EDGEBoost I/O
- High-Al Performance
- Up to 8x PoE RJ45/M12
- EDGEBoost Nodes Compatible for SSD, GPU and PCIe expansions
- Wide Operating Temperature
 -25°C up to 70°C

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RCO-1000-ASL SERIES Coming













Allistoli Lake							
Model	RCO-1000-ASL-10	RCO-1000-ASL-20	RCO-1000-ASL-30	RCO-1000-ASL-30-2P			
CPU	Intel® Atom® x7835RE Processor, 8 cores, 3.6 GHz (12W TDP) Intel® Atom® x7433RE Processor, 8 cores, 3.4 GHz (9W TDP)						
Memory	1x 26	52-pin DDR5 4800MT/s S0	-DIMM Max. up to 32GB (Non-ECC)			
Display		1x HDMI 1.4b (3840 x	2160), 1x DP (4096 x 2304]			
Storage	1x SATA 3.0 6Gb/s, 1x M.2 B Key: 2242/3042/3052 for Al/Storage/4G/5G						
Expansion	1x M.2 E Key: 2230 (PC	1x M.2 E Key: 2230 (PCle x1, USB 2.0), 1x M.2 B Key: 3042/3052 for Al/Storage/4G/5G, 2x SIM Socket					
1/0	2x RJ45 (2.5 GbE), 2x RS-232/422/485, 3x USB 3.2, 1x USB 2.0, 2x CAN, 1x I2C 3-pin, 1x Power Ignition Switch 2x 2.5 GbE, 2x RS-232/422/485, 3x USB 3. 1x USB 2.0, 2x CAN, 1x I 3-pin, 2x GbE RJ45 (Pol						
EDGEBoost I/O Expansion	1x EDGEBoost I/O	2x EDGEBoost I/O	3x EDGEBoost I/O	3x EDGEBoost I/O			
00B	1x RJ45 (Out-of-band Management module)						
Power	3-pin, AT/ATX 9~36VDC						
Operating Temp	-40°C to 70°C						
Dimensions (WxDxH)	150 x 105 x 49 (mm) 150 x 105 x 65 (mm) 150 x 105 x 83 (mm)						

RCO-1000-EHL SERIES MORE













				-			
Model	RCO-1000-EHL-10	RCO-1000-EHL-20	RCO-1000-EHL-30	RCO-1000-EHL-30-2P			
CPU Support	Intel® Atom® x6425E Processor (Up to 12W TDP)						
Memory		1x 260-pin DDR4 S0	-DIMM. Max. up to 32GB				
Display		2x DisplayPort 1.4, [)P++ (4096 x 2160@60Hz)				
Storage		1x Internal 2.5" SATA SSD Bay (support H=9.5 mm)					
Expansion	1x Full-size Mini PCIe, 2x External SIM socket, 1x Universal I/O Bracket						
1/0	2x 2.5 GbE, 3	x USB 3.2, 2x RS-232/422	/485, 2x CAN	2x RJ45 (PoE)			
EDGEBoost I/O Expansion	1x EDGEBoost I/O	1x EDGEBoost I/O 2x EDGEBoost I/O 3x EDGEBoost I/O					
Power	3-pin, AT/ATX 9~36VDC						
Operating Temp		-40°C to 50°C					
Shock & Vibration	With SSD: 50G & 5 Grms (1 Grms with HDD)						
Certification	UL 62368 Ed. 3, CE, FCC Class A CE, FCC Class A						
Dimensions (WxDxH)	150 x 105 x 49 (mm) 150 x 105 x 65 (mm) 150 x 105 x 83 (mm)						

RCO-3000-RPL SERIES MORE

SMALL FORM FACTOR RUGGED COMPUTER









Model	RCO-3000-RPL
CPU Support	12 th /13 th /14 th Gen Intel [®] RPL S / ADL Processor i3/i5/i7/i9 (LGA 1700, 35W TDP)
Memory	1x DDR5 4800/5600MHz SODIMM. Max. up to 32GB
Display	4x DisplayPort (1x DP Port Co-layout HDMI Connector)
Storage	2x 2.5" SATA drive bay with RAID 0, 1, 5 support (1x internal, 1x hot-swappable)
Expansion	2x M.2 B key Type: 2242/3042/3052, 1x M.2 B key Type: 2242/3042/3052, 1x M.2 E key slot (2230)
1/0	2x RJ45 (2.5 GbE), 5x RS-232/422/485 (2x internal), 6x USB 3.2 Gen 2, 16x isolated digital I/O, 1x Power Switch
EDGEBoost I/O Expansion	1x EDGEBoost I/O
00B	1x RJ45 (optional OOB Management module)
SIM Slot	1x External Standard SIM socket, 1x External Dual Nano SIM socket
Power	9~48 VDC, AT/ATX Select, 3-pin Terminal Block
Operating Temp	-25°C to 70°C
Shock & Vibration	With SSD: 50G & 5 Grms
Dimensions (WxDxH)	192 x 227 x 60.3 (mm)

RCO-3000-CML SERIES MORE











Model	RCO-3000-CML
CPU Support	10 th Gen Intel [®] CML S Processor i3/i5/i7/i9 (LGA 1200, 35W TDP)
Memory	2x 260-Pin DDR4 2666/2933MHz SO-DIMM. Max. up to 64GB (ECC and Non-ECC)
Display	3x DisplayPort (1x DP Port Co-layout HDMI Connector)
Storage	2x 2.5" SATA SSD bay with RAID 0, 1, 5 support (1x internal, 1x hot-swappable), 1x mSATA
Expansion	1x Full-size mini PCIe, 1x M.2 E Key: 2230 (PCIe x1, USB 2.0) 1x M.2 B Key: 2242/3042/3052 for Al/NVMe/4G/5G module
1/0	2x RJ45 (2.5 GbE & 1 GbE), 5x RS-232/422/485 (2x internal), 6x USB 3.2 Gen 2 (10 Gbps), 16x isolated digital I/O, 1x Line-out
EDGEBoost I/O Expansion	1x EDGEBoost I/O
SIM Slot	2x External Standard SIM socket
Power	3-pin, AT/ATX 9~48 VDC
Operating Temp	-25°C to 70°C
Shock & Vibration	With SSD: 50G & 5 Grms
Dimensions (WxDxH)	192 x 227 x 60.3 (mm)



RCO-6000-CML SERIES MORE











Madal	DOG (000 OM)	DOG (000 OM) 00 ODWD	DOO (000 OM) 00 (DEM			
Model	RC0-6000-CML	RCO-6000-CML-2C-2PWR	RC0-6000-CML-2C-4B7M			
CPU	10 th Gen Intel [®] CML S Processor i3/i5/i7/i9/Xeon [®] (LGA 1200, 35W/65W TDP)					
Memory		2x 260-Pin DDR4 2666/2933MHz SO Max. up to 64GB (ECC and Non-E				
Display		2x DisplayPort, DP++ (4096 x 23 1x DVI-I (1920 x 1200)	04)			
Storage	3x 2.5" SATA SSD bay with RAID 0, 1, 5 support [1x internal, 2x hot-swappable] 7x 2.5" SATA SSD bay with RAID 0, 1, 5, 10 [1x internal, 6x hot-swappable]					
1/0	2x CAN, 2x RJ45 (GbE), 6x USB 3.2 Gen 2 (10 Gbps), 3x USB 3.2 Gen 1 (1x internal), 2x USB 2.0 header (internal), 1x Mic-in, 1x Line-out 8x RS-232/422/485 (6x internal), 16x isolated digital I/0					
EDGEBoost I/O Expansion	2x EDGEBoost I/O					
Expansion	1x M.2 E Key: 2230 (PCIe x1, USB 2.0) 2x Full-size Mini PCIe for Cellular/Wifi/BT 1x M.2 E Key: 2230 (PCIe x1, USB 2.0) 2x Full-size Mini PCIe for Cellular/Wifi/BT 2x PCIe x16 or 1x PCIe x16, 1x PCI					
SIM slot		2x External Standard SIM sock	eet			
Power	2x Power Input, AT/ATX Select 5-pin, 9~48 VDC 4-pin, 12~48 VDC (GPU Expansion)		5-pin, AT/ATX 9~48 VDC			
Operating Temp	-25°C to 70°C (35W/65W CPU)					
Certification		UL 62368 Ed. 3 & CE, FCC Clas	s A			
Shock & Vibration			With SSD: 50G & 5 Grms (1 Grms with HDD)			
Dimensions (WxDxH)	240 x 261 x 79 (mm)	240 x 261 x	126.8 (mm)			

RCO-6000-RPL SERIES MORE







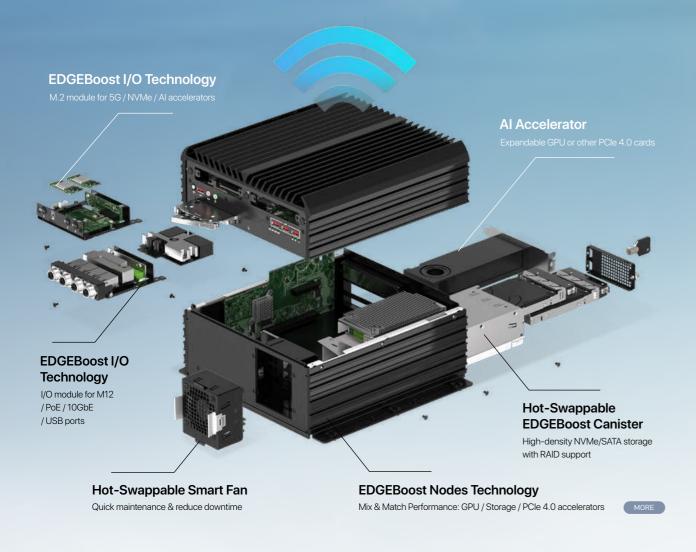




Model	RCO-6000-RPL	RC0-6000-RPL-8NS	RCO-6000-RPL-4N-A2000			
CPU	12 th /13 th /14 th Gen Intel [®] RPL & ADL Processor i3/i5/i7/i9 (LGA 1700, 35W/65W TDP)					
Memory		2x 262-Pin DDR5 4800/5600MHz SC Max. up to 64GB (ECC and Non-				
Display		2x DisplayPort (Up to 7680 x 43 1x DVI-I (1920 x 1200)	20),			
Storage	2x 2.5" SATA SSD bay with RAID 0, 1 support (1x internal, 1x hot-swappable)	2x 2.5" SATA SSD bay {1x internal, 1x hot-swappable}, 8x 2.5" NVMe SSD bay [hot-swappable], Support RAID 0, 1, 5, 10	2x 2.5" SATA SSD bay [1x internal, 1x hot-swappable], 4x 2.5" NVMe SSD bay [hot-swappable], Support RAID 0, 1, 5			
Expansion	1x M.2 E Key: 2230 for Wifi/BT, 1x M.2 B Key: 2242/3042/3052 for AI/Storage/Cellular 1x Full-size Mini PCIe for Cellular					
GPU		-				
1/0	2x RJ45 (2.5 GbE), 6x RS-232/422/485 (4x internal), 8x USB 3.2 Gen 2, 1x USB 3.2 Gen 1 (internal), 2x USB 2.0 (internal), 16x isolated digital I/O, 1x Line-out					
EDGEBoost I/O Expansion		Up to 2x EDGEBoost I/O				
SIM slot		2x External SIM socket				
Power	5-pin, AT/ATX 9~48 VDC	AT/ATX, 5-pin, 9~48 VDC, 4-pin,	12~48 VDC for EDGEBoost Node			
Operating Temp	-25°C to 70°C (35W CPU) -25°C to 60°C (65W CPU)	-25°C to 60°C (35W/65W CPU) Optional External Fan Kit: Recommended for i9 (CPU/65W)	-25°C to 45°C (35W/65W CPU) Optional External Fan Kit: Recommended for i9 (CPU/65W)			
Certification	UL 62368 Ed. 3 & CE, FCC Class A					
Shock & Vibration	With SSD: 50G &	With SSD: 50G & 5 Grms (1 Grms with HDD)				
Dimensions (WxDxH)	240 x 261 x 79 (mm)	240 x 261 x 166.9 (mm)	240 x 261 x 166.9 (mm)			

EDGEBoost

TECHNOLOGIES



Introducing our EDGEBoost Technologies – taking modular industrial solutions to new heights. The three versatile EDGEBoost Series are precisely engineered to maximize flexibility, performance, and resilience across our solution lineup. With EDGEBoost Technologies, our industrial computers become easily customizable and upgradable to meet diverse industrial demands.











Modular, Scalable Design

Industrial Ruggedness

Certification-Ready

Cost Effective

No MOQ

EDGEBoost Nodes



EDGE AI PERFORMANCE ACCELERATORS MODULES

EDGEBoost Nodes are modular add-on nodes designed for our AI Edge Inference Computer or also known as the RCO-6000 Series. These add-on nodes provide an easy and cost-effective upgrade for the rugged, fanless computer. They elevate computer performance through additional performance accelerators. The EDGEBoost Nodes deliver powerful real-time inferencing capabilities and high-speed data storage performance for intensive industrial-grade Edge AI applications.

Customize Your Performance Accelerators



Tested & Validated GPU List

Model Name	RAM	CUDA Cores	TDP	Display	Interface	Active Cooling	Slots
NVIDIA T1000	4G	896	50	4x mDP	PCle 3.0 x16	Yes	1
NVIDIA RTX A2000	12G	3328	70	4x mDP	PCle 4.0 x16	Yes	2
NVIDIA RTX 2000 ADA	16G	2816	70	4x mDP	PCle 4.0 x8	Yes	2
NVIDIA RTX 4000 SFF	20G	6144	70	4x mDP	PCle 4.0 x16	Yes	2

^{*}The EDGEBoost Nodes supports GPU cards with dimension of 235 mm in length, 112 mm in width, and up to 3-slot high.

8 29

^{**}The second power supply delivers stable power up to 280W for the GPU card and the NVMe drives with a wide voltage of 12~48VDC support.

EDGEBoost Nodes Configuration Guide

The RCO-6000 Series is a standalone, fanless industrial computer that can be enhanced with EDGEBoost Nodes for

additional performance upgrades. This two-piece modular design allows the EBND add-on nodes to seamlessly attach to the lower portion of the RCO-6000, delivering advanced performance accelerators optimized for AI edge computing.

Configure Your Fanless Computer

Top - Compatible RCO-6000 Series RCO-6000-RPL • Intel® 12th/13th/14th Gen ADL/RPL CPU 1x Hotswap SATA SSD (7mm) 1x Internal SATA SSD (9mm) 1x M.2 B Key, 1x M.2 E Key, 1x mPCle 2x EDGEBoost I/O Slots RCO-6000-CML • Intel® 10th Gen CML CPU 2x Hotswap SATA SSD (7mm) 1x Internal SATA SSD (9mm) 1x M.2 E Key, 2x mPCle 2x EDGEBoost I/O Slots

Configure Your EDGEBoost Nodes

Cards	Bottom - Modular "EDGEboost Nodes" Configurations				
	PCI or PCle Expansion Series		GPU Series		
GPU / Other PCle C		• EBND-2-EXP-G4 (RCO-6000-RPL) 1x PCle x16 (Gen 4), 1x PCle x1 (Gen 3) or 1x PCle x16 (Gen 4), 1x PCle x8 (Gen 4) • EBND-2-EXP (RCO-6000-CML) PCle x16, PCI Expansions		• EBND-2-PWR-G4 (RCO-6000-RPL) 1x PCle x16 (Gen 4), 1x PCle x1 (Gen 3) or 2x PCle x8 (Gen 4) 12~48VDC Power Supply (280W) • EBND-2-PWR (RCO-6000-CML) PCle x16, PCl Expansions 12~48VDC Power Supply (280W)	

Storages	SATA Storage Series					
		• EBND-2-2SATA 2x Hot-Swap 2.5" SATA Drives (15mm) RAID 0, 1, 5, 10		• EBND-2-4SATA 4x Hot-Swap 2.5" SATA Drives (7mm) RAID 0, 1, 5, 10		
	NVMe Series					
		• EBND-2-2NVME-G4 (RCO-6000-RPL only) 2x Hot-Swap 2.5" NVMe SSD Bay (15mm) PCle Gen 4 Expansion		• EBND-8NVME-S 8x Hot-Swap 2.5" U.2 NVMe Drives (7mm) RAID 0, 1, 5, 10		
		• EBND-4NVME-S 4x Hot-Swap 2.5" U.2 NVMe Drives (15mm) RAID 0, 1, 5, 10		• EBND-4NVME-H 4x Hot-Swap 2.5" U.2 NVME Drives (15mm) Hardware RAID 0, 1, 5, 6, 10		

	NVMe and GPU Series				
Storages + GPU		• EBND-4NVME-GPU 1x GPU Expansion 4x Hot-Swap 2.5" U.2 NVMe Drives (7mm)		• EBND-2NVME-GPU 1x GPU Expansion 2x Hot-Swap 2.5" U.2 NVMe Drives (15mm)	
		• EBND-4N-1E 1x PCle x16, 1x PCle x1 Slots Hardware RAID 0, 1, 5, 10 4x Hot-Swap 2.5" U.2 NVMe Drives (7mm)			

EDGEBoost I/O

Flexible I/O and M.2 Expansion Modules



EBIO is the perfect solution for those looking to optimize their edge infrastructure. These flexible add-on modules are a modular and scalable solution that is designed to tackle the limitations that may occur at the rugged edge. EDGEBoost I/Os are built to integrate seamlessly with our industrial computers to provide reliable expandability for mission critical I/O.

Compatible Industrial Computers

Industrial Mini Computers



Edge AI Industrial Computers



EBIO Modules for Industrial Mini Computers



Digital & Analog Digital and Analog EBIO Modules				
EBIO-DP-DIO	EBIO-HDMI	EBIO-4USB	EBIO-2COM	
• 1x DP (4K UHD) • 1x DIO (4 in / 4 out, Isolated)	• 1x HDMI Port (Full-HD)	4x USB 2.0, Type A Ports (with USB hub)	• 2x COM Ports (RS-232/422/485)	

EBIO Modules for

Edge Al Industrial Computers MORE



USB Interface Modules







EBIO-4U3

• 4x USB 3.0, Type-A Ports

EBI0-4U3-J

EBIO-4U3V-J

- 4x USB 3.2 Gen 1 (5 Gbps, 900mA)
- Type-A Locking Ports

Connectivity & Network Modules







EBIO-4ETH-M12

• Intel[®] Ethernet Controller I350

• 4x 1GbE LAN, M12 Port X-code 8-Pin



EBIO-4ETH-M12-J

	E	Bl	0	-4	Ē	1

- EBIO-4ETH-J
- 4x 1GbE LAN, RJ45 Port • Intel[®] Ethernet Controller I350
- PCle x1 Gold Fingers Interface (PCle 3.0 x4 Performance) • Support Power over Ethernet by an optional PoE module
- EBIO-4ETH-POE

EBIO-4ETH-POE-J

EBIO-4ETH-POE-M12

EBIO-4ETH-POE-M12-J

• Up to 25.5 watt per port

• Complies with IEEE 802.3at









EBIO-D10G

EBIO-D10G-J

EBIO-00B

EBIO-00B-J

- 2x 10 GbE LAN, RJ45 Ports
- Intel® Ethernet Controller X710-AT2
- PCIe x1 Gold Fingers Interface (PCIe 3.0 x4 Performance)

• RJ45 Hardware-Based Features: Out-of-Band and In-Band

• PCIe x1 Gold Fingers Interface (PCIe 3.0 x4 Performance)

• Support Power over Ethernet by an optional PoE module

- Power Control & Management
- 00B Cloud Serial Console

Optional:

- Backup & Recovery Temper Detection Thermo-Guard

Cellular, Edge AI, and Storage Modules





EBIO-2M2BK





EBIO-M2MK-J

EBIO-M2BK

- 1x M.2 B-Key 3042/3052
- Supports 4G/5G module
- 2x SIM slot, 1x SIM Switch 1x Dedicated Heat block
- Occupied 2x Universal Slots
- 2x M.2 B-Key 2242/3042/3052
- Supports 4G/5G/AI/NVMe modules
- 1x Mini SIM Slot (on-board)
- 1x Dedicated Heat block
- 3x Antenna Holes
- EBIO-M2MK
- 1x M.2 M-Key 2242/2260

Supports Al/NVMe module 1x Dedicated Heat block

EDGEBoost I/O Series

Compatible Industrial Computers



EBIO Modules	RCO-1000 Series
EBIO-HDMI	•
EBIO-DP-DIO	•
EBIO-2COM	•
EBIO-4U3	•







Super-Rugged SFF Computers Super-Rugged Edge Al Computers Railway & In-Vehicle Computers

EBIO Modules	RCO-3000 Series	RCO-6000 Series	ACO-6000 Series
EBI0-4U3	•	•	•
EBIO-4ETH	•	•	•
EBIO-4ETH-POE	•	•	•
EBIO-4ETH-M12	•	•	•
EBIO-4ETH-POE-M12	•	•	•
EBIO-D10G	•	•	•
EBIO-00B	•		•
EBIO-M2BK		•	•
EBIO-2M2BK	•	•	•
EBIO-M2MK	•	•	•



EBI0-4U3-J

EBIO-4U3V-J

EBIO-4ETH-J EBIO-4ETH-POE-J EBIO-4ETH-M12-J

EBIO-D10G-J

EBIO-00B-J

EBIO-M2MK-J

EBIO-4ETH-POE-M12-J



EBIO Modules









Jetson AI Edge Industrial Computers

JCO-6000 Series 3 TYPES







PoE/GigE

of High-Speed Camera Support

10_x **USB Vision**



ECO-1000 EDGEBOOST ENERGYPACK



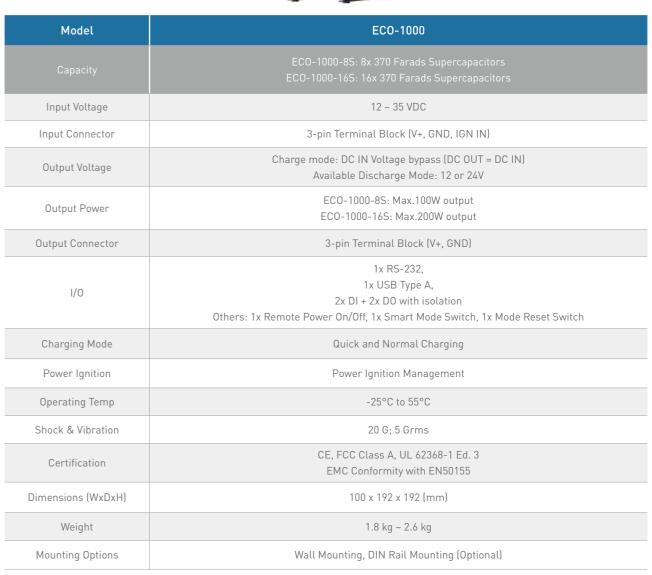
- Up to 200W Max. Power Output
- 1x COM, 1x USB for GUI Remote Management and Monitoring
- Shock and Vibration Resistance (20G, 5Grms)
- 3 Smart Modes with Remote On/Off, Ignition Control, Delay Time
- 12V/24V Compatibility: Industrial PCs, Panel PCs, Displays
- Optional LCM Display Module and Button Control













POWER REDUNDANCY AND SAFETY AT THE RUGGED EDGE

The ECO-1000 Series EDGEBoost EnergyPack is an industrial-grade supercapacitor that provides reliable power backup, safe shutdown, and power regulation for industrial computers and HMI displays in mission-critical and remote edge deployments, ensuring uninterrupted performance during power fluctuations in unstable environments.



10-Year

Lifespan



Wide Temperature, Shock,

and Vibration Resistant

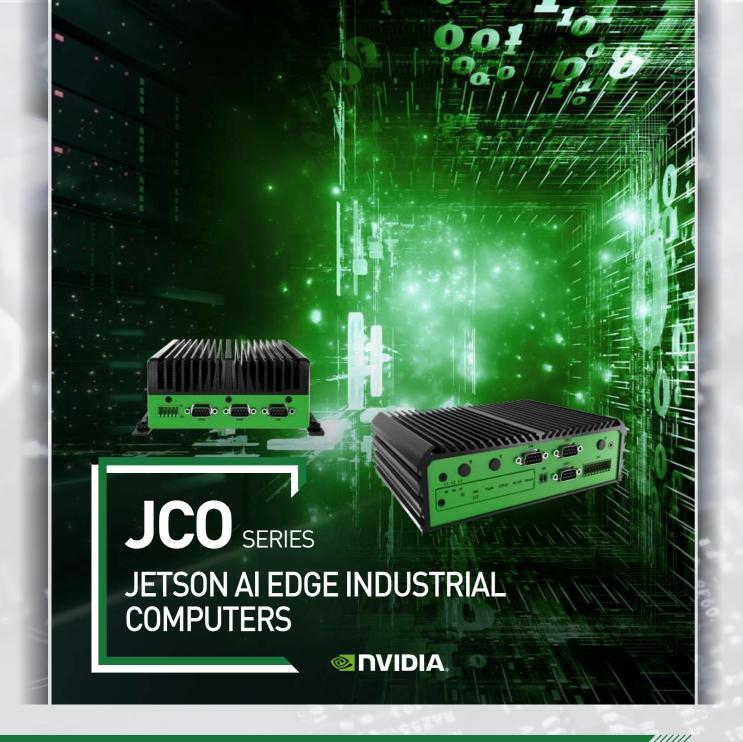






UL Safety & CB Scheme IEC 62368-1: 2018

EN50155 (EMC) & EN50121-3-2



RUGGED EDGE AI POWERED BY NVIDIA JETSON™ MODULES

The JCO Series industrial computer, powered by the advanced NVIDIA Jetson platform, is a standout in Al and industrial computing. This series offers exceptional Al computing capabilities, making it perfect for sophisticated robotics, autonomous machinery, and high-end embedded Al tasks. Designed to withstand harsh industrial conditions, the JCO Series ensures consistent performance even in extreme environments.



Support



Rich I/O Configuration



World-Class Certification



Ruggedized Fanless Solution

JCO SERIES

JCO 1000 Ultra Compact 3000 Small Form JCO 6000 High Performance



JCO-1000-ORN SERIES

- Jetson Orin Nano Super 4GB/8GB with 7W-25W Power Options
- Jetson Orin NX 8GB/16GB with 10W-25W Power Options
- 20-100 TOPS of Al Performance
- High-Speed I/O and Wireless Connectivity

JCO-3000-ORN SERIES

- Jetson Orin Nano Super 4GB/8GE with 7W-25W Power Options
- Jetson Orin NX 8GB/16GB with 10W-25W Power Options
- Up to 100 TOPS of Al Performance
- Up to 3X the Performance of Jetson Xavier NX
- Optional 2x LAN or 4x PoE RJ4

JCO-6000-ORN SERIES

- Jetson AGX Orin 32GB/64GB wit
 15W-60W Power Options
- Up to 275 TOPS of Al Performance
- Up to 8X the Performance of Jetson AGX Xavier
- 2x/4x EDGEBoost I/O Expansions

JCO-1000-ORN SERIES

JCO-3000-ORN SERIES MORE







JCO-6000-ORN SERIES MORE











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Model	JC0-1000-0RN-A	JCO-3000-ORN-A	JCO-3000-ORN-B	
CPU Support	N	NVIDIA Jetson Orin™ NX 16GB/8GB /IDIA Jetson Orin™ Nano Super 8GB/40	GB	
TOPS		Orin NX: 70-100 TOPS Orin Nano: 20- 67 TOPS		
Display	1x 4K HDMI 2.0	1x 2K HDMI	1x 4K HDMI	
Storage	1x M.2 (M Key, 2242/2280, PCIe x4, NVMe) (Default 128GB) 1x Micro 2.0 SD Slot	1x M.2 (M Key, 2242/2280, PC	le x4, NVMe) (Default 128GB)	
Expansion	1x M.2 B Key (2242/3042/3052, PCIe x1, USB 3.2 Gen1, support 4G/5G Module) 1x M.2 E Key (2230, PCIe x1, USB 2.0, support Wi-Fi/Bluetooth) 1x External Dual Nano SIM socket	1x M.2 B Key (3042/3052, USB 3.2 Gen1, support 4G/5G) 1x M.2 E Key (2230, PCIe x1, USB 2.0, support Wi-Fi/Bluetooth) 1x External Micro SIM Socket	1x M.2 B Key (3042/3052, USB 3.2 Gen1, support 4G/5G) 1x M.2 E Key (2230, PCle x1, USB 2.0, support Wi-Fi/Bluetooth) 1x External Dual Nano SIM socket	
1/0	1x RJ45 (2.5 GbE) 1x CAN 2.0 B, 2x RS-232/422/485, 4x USB 3.2 Gen 2 (10 Gbps), 1x USB Type-C (Flash), 1x Micro USB (Console)	2x RJ45 (1GbE) 1x CAN 2.0 A, 2x RS-232/485, 4x USB 3.0, 1x Micro USB (OTG)	1x CAN 2.0 B, 2x RS-232/422/485 4x RJ45 (Optional, PoE+ 120W Module), 4x USB 3.2 Gen 2 (10 Gbps), 1x USB Type-C (Flash), 1x Micro USB (Console)	
00B	1x	x RJ45 (Optional OOB Management Module)		
Power	3-pin, AT, ATX 9~36V	3-pin, AT 12-24V	3-pin, AT/ATX 9~36V 12V: PoE Power Budget Supports Up to 60W 24V: PoE Power Budget Supports Up to 120W	
Operating Temp		-20°C to 55°C (25W, NX Module) -20°C to 60°C (15W, Nano Module)		
Shock & Vibration	V	Vith SSD: 5 Grms (5 - 500 Hz, 0.5 hr/axis With SSD: 50G half-sin 11ms	5)	
Certification	UL 62368 Ed. 3, CE, FCC Class B	UL 62368 Ed.3, CE, FCC Class A	UL 62368 Ed. 3, CE, FCC Class A, E mark	
Operating System	L	inux Ubuntu 20.04 with JetPack 6.x SD	K	
Dimensions (WxDxH)	150 x 105 x 61 (mm)	192 x 140	x 58 (mm)	







	- 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1	
Model	JC0-6000-0RN-A	JCO-6000-0RN-B
CPU Support	NVIDIA Jetson AGX Orin™ Al Computer with 8-co	re/12-core Arm® Cortex®-A78AE v8.2 64-bit CPU
Memory	AGX Orin 32 GB/64 GB LPDDR5 @ 3200 MHz on SOM 200 TOPS/40W 275 TOPS/60W	
TOPS		
Display	1x 4K H	DMI 2.0
Storage	1x eMMC 5 1x M.2 (M Key, 2280, PCIe x4, s	5.1, 64 GB, support NVMe) (Default 128GB)
Expansion	1x M.2 (B Key, 3042/3052, USB 3. 1x M.2 (E Key, 2230, PCIe x1, US 1x Micro S 2x Micro SI	SD Socket,
I/O Expansion	2x I/O Expansion for USB/LAN/M12/NVMe Storage	4x I/O Expansion for USB/LAN/M12/NVMe Storage
PoE	By Optional PoE Power Module, Support up to 4x RJ45/M12 LAN Module	By Optional PoE Power Module, Support up to 12x RJ45/M12 LAN Module
1/0		25, 2x RJ45 (1GbE, 10GbE), ops), 1x USB 2.0 (Flash) n / 8 out (Isolated) to I/O Part
00B	1x RJ45 (00B Manager	ment Module, Optional)
Power	3-pin, AT, ATX 9~48V (or 48~110V (Optional)
Operating Temp	-20°C	to 55°C
Shock & Vibration	With SSD: 5 Grms (5 - 500 Hz, 0.5 hr/axis) With SSD: 50G half-sin 11ms	
Certification	CE, FCC Class A, UL 62368 Ed. 3, E-Mark, EMC EN50155	
Operating System	Linux Ubuntu 20.04 with JetPack 6.x SDK	
Dimensions (WxDxH)	270 x 190 x 95 (mm)	



COMPACT & RICH I/O CONFIGURATION FOR DIN RAIL APPLICATIONS

The DCO-1000-ASL is a compact, fanless din-rail industrial computer designed for demanding IoT environments. Built to operate reliably in extreme temperatures and resist shock and vibration, it's ideal for space-constrained industrial applications requiring advanced remote management and top-tier durability.



Form Factor



Configuration



Industrial IoT Solutions



Ruggedized Fanless Solution



DC0-1000-ASL SERIES MORE

Designed for flexibility, the DCO-1000-ASL features a comprehensive I/O suite and multiple M.2 expansion slots, enhancing connectivity and customization for industrial applications. Perfect for demanding environments, it provides advanced remote

management and robust certifications, ensuring reliable performance in automation and smart city infrastructure.



intel. Amston Lake

= 8	NEW
DC0-1000-ASL	

Model	DCO-1000-ASL
CPU Support	Intel® Atom® x7433RE Processor
Memory	1x 262-Pin DDR5 4800MT/s SODIMM. Max. up to 16GB (Default 8GB, ECC/Non-ECC)
Display	2x 4K DisplayPort 1.4, DP
Storage	1x M.2 (B Key, 3042/3052, PCIe x2), Default 128GB
Expansion	1x M.2 B Key (3042/3052, USB 3.2 Gen2 + USB 2.0 for 4G/5G Module only) 1x M.2 E Key (2230, PCIe x1 + USB 2.0, support Wifi/Bluetooth) 1x Dual Nano SIM Socket
1/0	4x RJ45 (2.5GbE) 2x RS-232/422/485 2x USB 3.2 Gen 2 (10 Gbps), 2x USB 2.0
00B	1x RJ45 (00B Management Module, Optional)
Power	3-pin, AT, ATX 9~36V
Operating Temp	-40°C to 55°C
Shock & Vibration	With SSD: 20G, half sine, 11ms Wall Mounting with NVMe SSD: 5 Grms, 5 - 500 Hz, 0.5hr/axis DIN Rail Mounting with NVMe SSD: 5 Grms, 5 - 500 Hz, 0.5hr/axis
Certification	UL 61010-2-201, CE, FCC Class A
Operating System	Windows 10, Windows 11, Linux kernel 5.X
Dimensions (WxDxH)	150 x 105 x 49 (mm)
Mounting Options	DIN-Rail Mounting Wall Mounting (Optional)



DELIVER EDGE INTELLIGENCE AMID WATER AND DUST EXPOSURES

The WCO Series unifies advanced CPU compute capabilities, I/O expandability, and AI acceleration for dynamic industrial deployments. The WCO Series is designed to fit into a rugged industrial environment where dust and water resistance are a must. Equipped with fanless design and IP68/IP69K ratings, the WCO series expands the limitation of regular embedded systems in extremely harsh deployments.







Wide Range Voltage 9-36V or 48-110V



Scalable M12 Ports



High-Quality **Compact Construction**



WCO-3000-EHL SERIES MORE



intel. Elkhart Lake



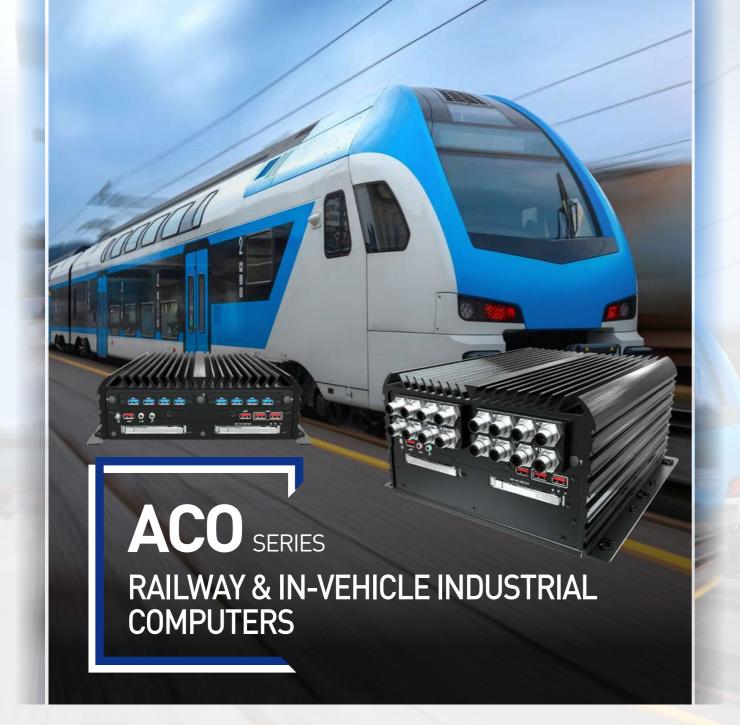
Model	WC0-3000-EHL	
CPU	Intel® Atom® Processor x6425E, Quad Core, 1.5 MB Cache, 1.8 GHz, 12W TDP	
Memory	1x 260-Pin DDR4 2400/2667/3200MT/s S0DIMM. Max. up to 32 GB (Non-ECC)	
Display	1x DisplayPort 1.4, DP++ (4K DCI@60Hz) or 1x HDMI (Optional), Single Display, Waterproof	
1/0	2x LAN by M12 X-Code (1x 1GbE, 1x 2.5GbE) 2x USB 3.2 Gen 2 Type A (10Gbps, Waterproof) 1x RS-232/422/485 by M12 A-Code 2x M12 Waterproof Cover for PoE or COM Expansion	
Storage	1x mSATA shared by 1x Mini PCI Express 1x Internal 2.5" SATA HDD Bay	
Expansion	1x M.2 (B Key, 3042/3052, PCIe x1 + USB 3.2 Gen2, Support 4G/5G/Hailo AI Module), 2x Internal SIM socket, 1x Full-size Mini PCIe	
Power	AT/ATX, DC IN 9-36 V, DC IN 48-110 V (Optional) M12 S-code 4-pin	
Certification	IP68, IP69K, CE, FCC Class A	
Operating Temperature	-40 °C to 60 °C	
TPM	TPM 2.0	
Dimensions (WxDxH)	231 x 292 x 57 (mm)	

IP68: A rating standard for dust and water resistance

- · 6: Dust-tight, meaning no dust ingress. Full protection against dust.
- · 8: Withstand continuous immersion in water (typically up to 1 meter or more)

 $\textbf{IP69K:} \ \textbf{Specifically tested for high-pressure, high-temperature water jets.}$

- · 6: Dust-tight, providing complete protection against dust ingress. (Same as IP68)
- 9K: Withstand high-temperature water jets (water temperatures up to 80°C) & High-pressure water jets (pressure up to 100 bar



DELIVER INTELLIGENCE AT THE MOBILE EDGE

The ACO-6000 Series offers robust, fanless in-vehicle computers, rigorously tested for mission-critical automotive applications. Essential for intelligent transportation, these systems adeptly handle edge data processing for machine learning and intelligence. With the need for highperformance computing in vehicles, they efficiently process data from various sensors and IoT devices, ensuring swift, low-latency communication.







EN50155 / EN45545 and E-Mark



Wide Power Range 9~48V, 24V~72V and 48~110V



MIL-STD-810G Compliant Method 514 & 517



ACO-6000-RPL SERIES

intel.

Raptor Lake / Alder Lake





Model	ACO-6000-RPL	ACO-6000-RPL-1E	
CPU	Support 12 th /13 th /14 th Gen Intel [®] RPL & ADL Processor i3/i5/i7/i9 (LGA 1700, 65W/35W TDP)		
Memory	2x 262-Pin DDR5 4800/5600MHz SO-DIMM. Max. up to 64GB (ECC and Non-ECC)		
Storage	2x 2.5" SATA drive bay with RAID 0, 1 support (1x internal; 1x hot-swappable)		
Display	2x DisplayPort (Up to 8k	(), 1x DVI-I (1920 x 1200)	
1/0		ear, 4x Internal), 8x USB 3.2 Gen 2 (10 Gbps), 0 (internal), 1x 8-in/8-out DIO (Isolated)	
00B	1x RJ45 (optional 00B Management module)		
Expansion	1x Full-size mPCIe (shared by 1x mSATA), 2x External SIM socket (mPCIe attached) 1x M.2 B Key (PCIe x2 or PCIe x1 & USB 3.2 Gen1) for Al/Storage/4G/5G 1x M.2 E Key (2230, PCIe x1, USB 2.0) for Wi-Fi/BT		
Power	9~48VDC (Default); 24V to 72V (Optional); 48~110VDC (Optional) OVP (Over Voltage Protection); OCP (Over Current Protection); Power Ignition Management		
Certification	FULL EN50155 Certified & EN45545-2 (Fire & Smoke Protection), CE, FCC Class A, E-Mark, UL 62368 Ed. 3		
Temperature	-25°C up to 70°C (35W/65W CPU)		
Shock & Vibration	50G Shock & 5Grms Vibration Resistant (MIL-STD-810G Compliant)		
PCIe Expansion	N/A 1x PCIe x16		
EDGEBoost I/O Expansion	Up to 2x EDGEBoost I/O, Up to 8x M12/RJ45 GbE (Optional PoE, 25.5W for each port)	Up to 4x EDGEBoost I/O, Up to 16x M12/RJ45 GbE (Optional PoE, 25.5W for each port)	

ACO-6000-CML SERIES

intel.

Comet Lake S





Model	ACO-6000-CML	AC0-6000-CML-1E	
CPU	Support 10 th Gen Intel [®] CML S Processor (LGA 1200, 65W/35W TDP), Intel [®] XEON-W Processors, Intel [®] Core™ i3 to i9		
Memory	2x 260-Pin DDR4 2666 /2933MHz SODIM	M. Max. up to 64GB (ECC and Non-ECC)	
Storage	3x 2.5" SATA HDD bay with RAID 0, 1, 5 suppor	t (1x internal; 2x removable & hot-swappable)	
Display	2x DisplayP	ort, 1x DVI-I	
1/0	2x RJ45 (GbE), 6x USB 3.2 Gen 2 2x USB 2.0 header (internal), 8x RS-232/422/		
Expansion	1x M.2 (E Key, PCIe x1, USB 2.0, 2230), 2x Full-size mPCIe, 2x External SIM socket (mPCIe attached)		
Power	9~48VDC; 48~110VDC (Optional) OVP (Over Voltage Protection); OCP (Over Current Protection); Power Ignition Management		
Certification	EN50155 EMC, E-Mark, CE, FCC Class A		
Temperature	-25°C to 70°C (35W/65W CPU)	
Shock & Vibration	50G Shock & 5Grms Vibration Res	sistant (MIL-STD-810G Compliant)	
PCI & PCIe Expansion	N/A 1x PCIe x16, 1x PCI (Optional)		
EDGEBoost I/O Expansion	Up to 2x EDGEBoost I/O, Up to 8x M12/RJ45 GbE (Optional PoE, 25.5W for each port)	Up to 4x EDGEBoost I/O, Up to 16x M12/RJ45 GbE (Optional PoE, 25.5W for each port)	
Dimensions (WxDxH)	240 x 261 x 79 (mm) 240 x 261 x 127 (mm)		



PCIE CARD EXPANSION FOR INTELLIGENT COMPUTER VISION

The VCO-6000 Series is engineered for seamless integration of dual FHFL GPU cards through PCIe Gen 4 and industry-leading external storage expansion drives, delivering optimized processing and data aggregation. Deploy machine vision and AI inference applications with utmost reliability and performance to the rugged edge.







PCIe Gen 4 Performance



Scalable NVMe & SATA Storage



Shock & Vibration Resistance



VCO-6000-RPL SERIES









Model	VC0-6000-RPL-3E	VC0-6000-RPL-4E	
CPU Support	12 th /13 th /14 th Gen Intel [®] RPL & ADL i3/i5/i7/i9 Processor (LGA 1700, 35W/65W TDP)		
System Chipset	Intel [®] R680E E	xpress Chipset	
Memory	2x 262-Pin DDR5 480 Max. 64GB (Default 8GI		
Storage	1x Hot-Swappable 2.5" S Optional 4x Hot-Swappa	SD, 1x Internal 2.5" SSD, able 2.5" NVMe 2.5" SSD	
Expansion	1x M.2 B Key, 1x mPCle, 2x SIM 1x PCle x16 (Gen4), 2x PCle x1 (Gen3)	1x M.2 B Key, 1x mPCle, 2x SIM 2x PCle x16 (Gen4), 1x PCle x4 (Gen3)	
GPU Card Dimension	310 (L) x 112 (H) mm		
1/0	2x 5K DisplayPort up to 8K), 1x 2K DVI-I 2x RJ45 (2.5GbE), 4x USB 3.2 Gen 2 (10 Gbps)		
Power	5-pin, AT, ATX 9~48V, 12~48V (Optional 300W power for GPU Expansion)		
Operating Temp	-25°C to 70°C (35W CPU) -25°C to 60°C (65W CPU)		
Shock & Vibration	With SSD: 3 Grms (5 - 500 Hz, 0.5 hr/axis) With SSD: 20G half-sin 11ms		
Certification	UL 62368 Ed. 3, CE, FCC Class A		
Dimensions (WxDxH)	157 x 340 x 240 (mm)	177 x 340 x 240 (mm)	

VCO-6100 SERIES

intel

Coffee Lake R











Model	VCO-6122	VCO-6133	VCO-6144	VCO-6155
CPU Support	8 th /9 th (
Memory	2x 260-pin DI	DR4-2400/2666MHz SO-[DIMM, up to 64GB (Un-buffe	red and Non-ECC)
Power		9-48 VDC, AT/ATX S	select, 3-pin Terminal Block	
Operating Temperature		-25°C to 70°C (35W CPU) -25°C to 60°C (65W CPU)		
	With two PCI or PCIe expansion slot	With three PCI or PCIe expansion slot	With four PCI or PCIe expansion slot	With five PCI or PCIe expansion slot
PCI & PCI Express	• 1x PCIe x16 • 1x PCI	• 1x PCle x16 • 2x PCl	2x PCle x41x PCle x16 (8-lane)1x PCl	2x PCIe x41x PCIe x16 (8-Lane)2x PCI
Dimensions (WxDxH)	137 x 340 x 240 mm	157 x 340 x 240 mm	177 x 340 x 240 mm	197 x 340 x 240 mm

.6



ACTIVE COOLING INDUSTRIAL COMPUTER FOR INSPECTION & INTELLIGENT COMPUTER VISION

Introducing the KCO-RPL Series, a line of high-performance fanned industrial computers powered by Intel's latest 14th Gen Raptor Lake processor. These ruggedized edge computers deliver extensive scalability and IIoT-centric flexibility for seamless optimization in high-spec deployment applications. Additionally, the KCO-RPL Series provides a number of edge-native features to accommodate and ensure reliable performance at the rugged edge.







Rich M.2 and PCle Expansions



Power Supply



Rackmountable Industrial Solution



KCO SERIES MORE









Model	KC0-2000-RPL	KC0-3000-RPL	
CPU	12 th /13 th /14 th Gen Intel [®] Core™ Processors i3/i5/i7/i9 (LGA 1700, 65W Max TDP)		
Memory	4x DDR4 2133/2400/2666MHz DIMM. Max 128GB		
Display	4x	DP++	
Storage	1x 2.5" SATA Drive Bay (Hot-swappable), 4x SATA 3.0 (6Gb/s) Support RAID 0, 1, 5, 10	1x 3.5" SATA HDD drive or 2x 2.5" SSD/HDD, 4x SATA 3.0 (6Gb/s) Support RAID 0, 1, 5, 10	
M.2		30 (NVMe/SATA, PCIe x4 Gen 4), PCIe x2 Gen 3, USB 2.0)	
PCIe	1x PCIe x16 Slo 1x PCIe x4 Slot	6 Slot (Gen 5), ot (Gen 4, 4-lane), (Gen 4, Open End), (Gen 3, Open End)	
1/0	2x RS-232, 2x RJ45 (2.5GbE & 1GbE), 6x USB 3.1 Gen 2 (10 Gbps), 1x USB 3.2 Gen 2x2 Type C (20 Gbps), 4x USB 2.0	2x RS-232, 2x RJ45 (2.5GbE & 1GbE), 6x USB 3.1 Gen 2 (10 Gbps), 1x USB 3.2 Gen 2x2 Type C (20 Gbps), 4x USB 2.0, 2x USB 3.0 Gen 1	
Internal I/O	4x RS-232, 2x USB 3.0 Gen 1, 8-bit digital I/0, 1x Front panel audio	4x RS-232, 8-bit digital I/O, 1x Front panel audio	
Supported GPU	RTX A2000, RTX 2000 ADA, RTX 4000 SFF ADA	RTX A2000, RTX 2000 ADA, RTX 4000 SFF ADA, RTX 4000 ADA, RTX 4500 ADA, RTX 5000 ADA	
Power	100~240 AC, Internal 250W Flex Power Supply	100~240 AC, Internal 500W Flex Power Supply	
Operating Temp	UL : 0 °C to 40 °C CE/FCC/IC : 0 °C to 50 °C	0°C to 50°C	
Certification	CE, FCC Class A, UL 62368-1 Ed. 3		
Dimensions (WxDxH)	324 x 276 x 89 (mm)	334 x 300 x 133 (mm)	



INDUSTRIAL DISPLAY SYSTEMS









SIO SERIES

COMPUTERS

IP68/69K STAINLESS STEEL

INDUSTRIAL TOUCHSCREEN

HIO SERIES

IP65 OPEN FRAME

INDUSTRIAL TOUCHSCREEN COMPUTERS

AIO SERIES

IP65 ALL-IN-ONE

INDUSTRIAL TOUCHSCREEN HIGH-BRIGHTNESS COMPUTERS

IP65 DISPLAY

INDUSTRIAL TOUCHSCREEN MONITORS

VIO SERIES

IP65 MODULAR SYSTEMS

DISPLAY

PC SERIES

VIO COMPUTER MODULES

PC MODULE FOR INDUSTRIAL VIO DISPLAY



MX SERIES

VIO MONITOR MODULES

MONITOR MODULE FOR INDUSTRIAL VIO DISPLAY

BUILT RUGGED. BUILT READY.



Our industrial touchscreen computers and monitors offer tailored solutions for diverse needs, featuring modular designs, stainless steel washdown panels, and open-frame PCs—built to tackle application challenges with precision and reliability.

Model	SIO SERIES	VIO SERIES	AIO SERIES	HIO SERIES
Ruggedness	Super-Rugged	Rugged	Semi-Rugged	Durable
System Configuration	Touchscreen Computer	Touchscreen Computer or Monitor	Touchscreen Computer or Monitor	Touchscreen Computer
Processor	Intel® Alder Lake N97 Intel® Celeron® J1900 Intel® 8th Gen i5	 Intel® Core™ Ultra 5/7 Intel® 7th Gen i3/i5 Intel® Celeron® J6413 Intel® Celeron® J1900 	 Intel® Core™ Ultra 5/7 Intel® Alder Lake N97 Intel Atom® X7835RE Rockchip RK3568J 	• Intel® Alder Lake N97
Wireless Connectivity		Wi-Fi 6E, BT 5.x, 5G/4G/LTE		Wi-Fi 6E, BT 5.x
IP Rating	Full IP68/69K		Front IP65	'
Built Design	Rugged Stainless-Steel SUS 316 Design	Modular Flexible Design	All In One Simple Design	Industrial Open Frame Design
Screen Sizes	12.1" - 23.8"	12.1" - 23.8"	10.1"	- 21.5"
Touch Options	PCAP	PCAP/Resistive	PC	AP
Optical Bonding	Standard	Optional	-	-
Mounting Options	VESA Mount Yoke Mount Panel Mount	, 20, 1	Mount Mount	Open-Frame Wall Mount
Shock & Vibration	20G & 2.4Grms	20G & 1.5Grms		3Grms 16.7 & 514.7 Procedure 1
Certifications		CE, FCC, UL 62368 Ed. 3		CE, FCC



OEM INTEGRATION READY FOR HUMAN MACHINE INTERFACE SOLUTIONS

The HIO Series is a versatile panel PC solution that unifies high efficient computing capabilities with I/O expandability. Designed for seamless industrial and commercial application integration with its sleek open frame design and advanced functionality.







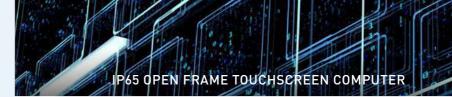
Diverse I/O Customization



Front Panel IP65



High Computing Efficiency



HIO SERIES MORE

HIO Series provides a selection of Open Frame Touchscreen Computers ranging from 10.1" to 21.5" for seamless integration for HMI deployments. With ultimate screen readability and clarity, this series is front panel IP65 rated with 7H scratch resistant. All while being powered by Intel® Alder Lake N97 processor.

intel. Alder Lake









Model	HIO-W210-ADL	HIO-W215-ADL	HIO-W221-ADL	
CPU Onboard	Intel [®] Alder Lake N97 Processor (6M Cache, up to 3.60 GHz)			
Memory	DDR5 4800MT/s SODIMM Max.16GB (Default 8GB)			
Graphic Output		1x DP (4096 x 2304 Real 4K, 60Hz) 1x HDMI (3840 x 2160 UHD, 30Hz)		
LAN		2x RJ45 (2.5 GbE)		
1/0		x USB 3.2 Gen 2, 6x USB 2.0 (internal 2x RS-232/422/485 (internal), x Audio out, 2x Pifa Antenna (optional		
Storage	1x M.2 B ke	1x M.2 B key (SATA/PCIe x1), 2242/3042/2280 (Default 128GB)		
Expansion	1:	x M.2 E Key support Wi-Fi 6e and BT 5	.2	
Power		9~36 VDC		
Operating Temp		-10°C to 50°C		
Certification		CE, FCC Class A		
LCD Size	10.1" (16:10) WUXGA	15.6" (16:9) Full HD	21.5" (16:9) Full HD	
Brightness (cd/m2)	400 nits	400 nits	500 nits	
MTBF	30,000 Hours	30,000 Hours 30,000 Hours 50,000 Hours		
Projected Capacitive	10-point PCAP Touch, 7H/IK07			
Mounting	Open Frame Mount Wall-mount Bracket (optional)			

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SIMPLE SOLUTION FOR HUMAN MACHINE INTERFACE DEPLOYMENTS

The AIO Series is a reliable all in one panel PC solution that simplifies HMI solutions with high efficient computing capabilities and advanced I/O connectivity. Designed for simple industrial and commercial applications with its sleek all in one panel design and comprehensive functionality.



All In One Integrated
System



10-Point PCAP Touch



Range of Display Size



Triple Independent Displays

ALL IN ONE TOUCH PANEL F

AIO SERIES MORE

AIO-200-ADL

AI0-200-ASL

intel

Amston Lake / Alder Lake







Model	AIO-200-ADL	AIO-200-ASL-3L	
LCD Size	10.1" (16:10), 15.6" (16:9), 21.5" (16:9)		
Max. Resolution	Max 1920 x 1080 (Full HD)		
Brightness (cd/m²)		Max 500 nits	
Viewing Angle (H/V)		Max 89/89/89	
MTBF		Max 50,000 Hours	
Processor	Intel® Alder lake N97 Processor	Intel® Atom® x7835RE Processor 6M Cache, up to 3.60 GHz, 8 core, 12W Intel® Alder Lake N97 6M Cache, up to 3.60 GHz, 4 Core, 12W	
Memory	DDR5 4800MT/s	SSODIMM. Max up to 16GB (Non-ECC), (Default 8GB)	
Storage	1x M.2 B Key (Default 128 GB)	1x M.2 B Key (2242/2280/3042) for NVMe/4G/5G (Default 128GB), 1x SATA 3.0 6Gb/s port (Support AHCI)	
Display		1x 4K DP, 1x 4K HDMI	
1/0	2x RJ45 (2.5GbE), 2x RS- 232/422/485, 4x USB 3.2 Gen 2, up to 6x Antenna	3x RJ45 (2.5GbE), 1x Dual Nano SIM Socket (M.2 B Key), 2x USB 3.2 Gen 2 (10 Gbps), 2x USB 2.0, 2x RS-232-/422/485, up to 6x Antenna	
Expansion	1x M.2 E-Key (2230, PCIe x1, USB2.0) for Wifi/Bluetooth		
Operating System	Windows 10, Windows 11, Linux Ubuntu 22.04		
Certification	CE, FCC Class B, CB, UL 62368 Ed, UKCA, IC		
Operating Temp.		-10°C to 50°C	
Power	DC IN 12~36V	AT/ATX Power, DC IN 12~36V	

AIO-200-MTL

AIO-200-ROK

AIO Monitor









Model	AIO-200-MTL-3L	AIO-200-ROK	AIO-200-MX
LCD Size	10	.1'' (16:10), 15.6'' (16:9), 21.5'' (16:9)	
Processor	Intel® Meteor Lake Core™ Ultra 5/7	RK3568J Arm Quad Cortex-A55	-
Memory	DDR5 5600MT/S, Max. 16GB	LPDDR4 2133MHz 2 / 4 GB	-
Storage	1x M.2 M Key (Default 128GB)	32GB / 64GB of eMMC for OS	-
1/0	2x DP, 3x RJ45 (2.5GbE), 2x USB 3.2 Gen 1, 1x USB Type C (5 Gbps), 1x USB 2.0, 2x COM, 2x Nano SIM	1x 4K HDMI, 2x RJ45 (GbE), 2x USB 3.0, 1x RS-232/422/485, 1x Micro SIM, 1x Nano SIM	1x DP, 1x HDMI (Display Input) 1x USB 2.0 Type B
Expansion	1x M.2 E Key for Wifi/BT 1x M.2 B Key for 4G/5G	1x M.2 E Key (2230) for Wifi/BT 1x M.2 B Key (3024) for 4G/5G	-
Operating System	Windows 10/11, Linux Ubuntu	Android 13	-
Operating Temp.	-10°C to 50°C	-20°C to 70°C	-10°C to 50°C
Power	AT/ATX Power, DC IN 12~36V	AT/ATX Power, DC IN 9~36V	DC 12V

4



RUGGED IP65 MODULAR PANEL PC

The VIO Series modular touch display systems delivers an industrial-grade IP65 display solution designed specifically for HMI automation, information and communication applications. Its unique modular design makes the display system more flexible and versatile by providing a unique solution for both an industrial panel pc and a touch monitor.







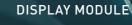
Modular Design



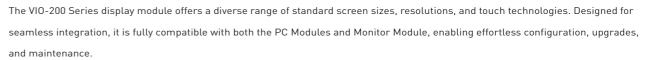
Temperature



7H Glass Screen



VIO-200 SERIES MORE



16:9 SERIES Thin Frame







Model	VIO-W215	VIO-W221	VIO-W224
LCD Size	15.6"	21.5"	23.8"
Max. Resolution		1920 x 1080 (Full HD)	
Brightness (cd/m2)	500	nits	450 nits
	1,000 nits	(Optional)	400 mts
Contrast Ratio	1,000:1		
LCD Color	16.7M		
Life Cycle Time	50,000 Hours 30,000 Hours		Hours
Viewing Angle (H-V)		178 / 178	
Internal Speaker	AMP 10W + 10W		
Touch Type	Resistive 5-wire Touch / Projected Capacitive Touch		e Touch
Operating Temperature	-10°C to 60°C	-10°C t	to 50°C

4:3 SERIES Thin Frame









Model	VIO-212	VIO-215	VIO-217	VIO-219
LCD Size	12.1"	15"	17"	19"
Max. Resolution	1024 x 7	68 (XGA)	1280 x 10	24 (SXGA)
Prightness (ad/m?)	600 nits		350 nits	
Brightness (cd/m2)		1,000 nits	(Optional)	
Contrast Ratio	100	00:1	800:1	1000:1
LCD Color	16.2M 16.7M			
Life Cycle Time		50,000	Hours	
Viewing Angle (H-V)	178 / 178	170 / 160	178 / 178	170 / 160
Internal Speaker	AMP 5W + 5W AMP 10W + 10W			
Touch Type	Resistive 5-wire Touch / Projected Capacitive Touch			
Operating Temperature	-10°C to 60°C -10°C to 50°C		-10°C to 50°C	

intel. Meteor Lake

PC600-MTL SERIES







Model	PC600-MTL	PC600-MTL-1E	
CPU Onboard	Intel® Core™ Ultra 7 Processor 155U 12M Cache, up to 4.80 GHz Intel® Core™ Ultra 5 Processor 125U 12M Cache, up to 4.80 GHz		
Memory	1x DDR5 5600MT/s SODIMM. Max. up to 32GB (Default 8GB)		
Display		layPort 1.2 DMI 2.0b	
Storage	1x Hotswap 2.5" SATA HE 1x M.2 M Key (2280, PCIe x4 Gen	DD Bay, support RAID 0, 1 4, for NVMe/AI), (Default 128GB)	
Expansion	1x Dual Nano SIM socket 2x M.2 B Key (2242,3052, for NVMe/AI/4G/5G)		
PCIe	-	1x PCle x4 [x4 Lane, Gen 3]	
1/0	4x RS-232/422/485, 2x RS-232/422/485 (internal) 2x RJ45 (2.5GbE) 2x USB 3.2 Gen 1 (5 Gbps) 1x USB-C 3.2 Gen 2, 1x USB 2.0 2x CAN		
Power	3-pin, AT, ATX 9~48V		
Operating Temperature	-20°C to 50°C -10°C to 50°C (with display module)		
Operating System	Windows 10, Windows 11, Linux Kernel 5.X		
Dimensions (WxDxH)	246 x 220 x 42 (mm)	246 x 220 x 64 (mm)	

- The PC600-MTL Series is not compatible with the VIO-200 Series.
- The PC600-MTL Series is only compatible with the upcoming VIO-300 Series display module.













Model	PC400	PC410	
CPU Onboard	Intel® 7 th Gen. (Kabylake-U) Processor Core™ i3-7100U/i5-7300U		
Memory	1x 260-Pin DDR4 1866/2133MT/s SODIMM. Max. up to 16GB		
Display	1x DisplayF	Port, 1x VGA	
Storage	1x mSATA (share	ay, support RAID 0, 1 d by 1x Mini PCIe) d by 1x mSATA)	
Expansion	2x Full-size Mini PCIe 2x External SIM socket		
I/O Expansion	-	2x I/O Expansion (CAN/COM)	
1/0	2x RJ45 4x USB 3.0 4x RS-232/422/485	2x RJ45 4x USB 3.0 4x RS-232/422/485 2x RS-232/422/485 (internal)	
Power	3-pin, AT,	ATX 9~48V	
Operating Temperature	-40°C to 70°C -10°C up to 60°C (with display module)		
Operating System	Windows 10, Linux Kernel		
Certification	UL 62368 Ed. 3, CE, FCC Class A		
Dimensions (WxDxH)	246 x 220 x 42 (mm)	246 x 220 x 64 (mm)	

PC100-EHL SERIES MORE









	\$ 3,400 and 0-0		
Model	PC100-EHL	PC100-EHL-1E	
CPU Onboard	Intel [®] Celeron [®] J6413 Processor Quad c	core (1.5M Cache,1.8GHz up to 3.00 GHz)	
Memory	1x 260-Pin DDR4 2400/2667/3200MT,	/s SODIMM. Max. 32GB (Default 8GB)	
Display	·	layPort 1.2 .0b (Optional)	
Storage	1x mSATA, 1x Removable 2.5" SATA HDD Bay 1x M.2 B Key (2242/3042/3052 for 5G/Al/Storage Module), (Default 128GB)		
Expansion	1x Full-size Mini PCIe (USB 2.0, SATA), 2x External SIM socket, 1x M.2 E Key (2230, PCIe x1, USB 2.0, support Wifi/Bluetooth)		
PCIe Express	-	1x PCle x4 (x1 Lane, Gen 3)	
I/O Expansion	1x I/O Expansion (CAN/COM)		
1/0	2x RJ45 (GbE, 2.5GbE), 4x RS-232/422/485, 2x RS-232/422/485 (internal) 2x USB 3.2 Gen 2 (10 Gbps), 4x USB 2.0 (2x Internal)		
Power	3-Pin, AT, ATX 9~36V		
Operating Temperature	0°C up to 60°C (with display module)		
Certification	UL 62368 Ed. 3, CE, FCC Class A		

PC100 SERIES MORE











, II all			
Model	PC100	PC110	
CPU Onboard	Intel® Celeron® Processor J1900 (4 cores, 2MB Cache, 2.0 GHz)		
Memory	1x 204-pin DDR3L-1066/1333MT/s SODIMM, up to 8GB		
Display	1x VGA, 1x I	DisplayPort	
Storage	1x Removable 2.5" SATA HDD Bay 1x CFast (Shared by 1x mSATA & 1x Mini PCIe) 1x mSATA (Shared by 1x Mini PCIe)		
Expansion	1x Full-size Mini PCIe Socket with uSIM Socket (PCIe + USB + SATA) 1x Full-size Mini PCIe Socket with USIM Socket (PCIe + USB) 2x External SIM socket		
I/O Expansion	- 2x I/O Expansion (CAN/COM)		
1/0	2x RJ45, 4x RS-232/422/485 2x RS-232/422/485 (internal), 1x USB 3.0, 3x USB 2.0		
Power	3-Pin , AT/ATX 9~48V		
Operating Temperature	-40°C to 70°C -10°C to 60°C (with display module)		
Certification	UL 62368 Ed. 3, CE, FCC Class A		
Dimensions (WxDxH)	246 x 220 x 42 (mm)	246 x 220 x 64 (mm)	

MX200 SERIES MORE



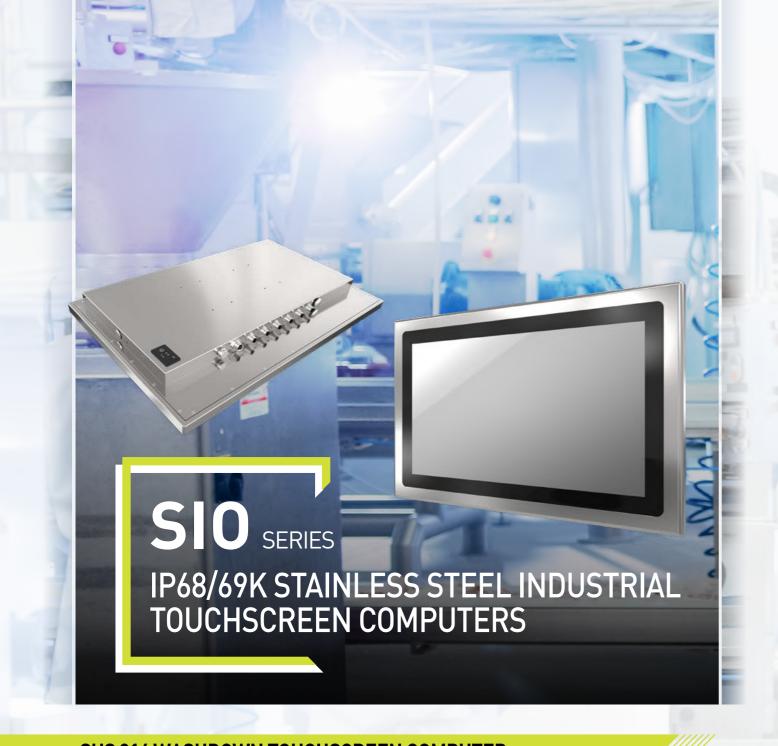
- 12.1" ~ 23.8" Thin Frame Full Range Touch Monitors
- Projected Capacitive and 5-wire Resistive Touchscreen Available
- 9 to 48 VDC Wide Range Power Input
- Aluminum Die-casting Front Frame
- Front Panel IP65 Rating







3	• • • • • • • • • • • • • • • • • • •
Model	MX200
VGA	1x VGA Input
НДМІ	1x HDMI Input
DisplayPort	1x DisplayPort Input
USB	1x USB 2.0 Input
COM Port	1x COM Port Input (Resistive Touch Only)
Audio	1x Audio Input
Power	3-pin, AT/ATX 9-48V
Operating Temperature	-10°C up to 60°C (with display module)
Dimensions (WxDxH)	246 x 220 x 37 (mm)



SUS 316 WASHDOWN TOUCHSCREEN COMPUTER

The SIO Series unifies advanced compute capabilities, I/O expandability and interactive display for dynamic industrial deployments. The stainless steel SIO Series are designed fanless, strong and tightly sealed to sustain punishing temperatures, harsh impacts, caustic contact and intense equipment washdowns.



Optical Bonding



Wide Temperature



Shock And Vibration Resistance



TPM TPM 2.0 Security Module





ASHDOWN TOUCHSCREEN COMPUTER WITH FUL











Model	SI0-315-ADL	SIO-W315-ADL	SIO-W321-ADL	SIO-W324-ADL
CPU Onboard	Intel® Alder Lake N97 Processor 4 cores, 3.60 GHz (12W)			
Memory		1x 262-pin DDR5 4800 MT/s SO-DIMM Max. up to 16GB		
1/0	3x 2.5GbE by M12 X-Code 8-pin, 2x RS-232/422/485 by M12 A-Code 8-pin, 1x USB 3.0 by M12 A-Code 8-pin, 4x USB 2.0 by M12 A-Code 8-pin, 1x Pressure Valve			
Storage & Expansion	1x M.2 M Key for NVMe/AI (Default 128GB) 1x M.2 B Key for 4G/5G, 1x M.2 E Key for Wifi/BT			
Power	M12 S-code 4-pin, ATX 110~240V			
Operating Temp	-10°C to 50°C			
LCD Size	15" (4:3) TFT XGA	15.6" (16:9) Full HD	21.5" (16:9) Full HD	23.8" (16:9) Full HD
Brightness (cd/m2)	450 nits	450 nits	400 nits	450 nits
Touch Screen	PCAP, 7H/IK07, Optical Bonding			
IP Level	Full System IP68/69K			
Certification	CE, FCC Class B, UL 62368 Ed. 3			
Mounting	VESA Mount Optional: Yoke Mount, Panel Mount			

SIO-200-J1900 SERIES MORE

intel.

Bay Trail / Whiskey Lake









Model	SIO-215-J1900	SIO-W215-J1900	SIO-W221-8365UE	SIO-W224-8365UE
CPU Onboard	Intel® Celeron® J1900 Processor, 4 cores, 2.0 GHz Intel® Core™ i5-8365UE Processor, 4 cores, 4.10 GH			ocessor, 4 cores, 4.10 GHz
Memory	1x 204-pin DDR3L SODIMM Max. up to 8GB (Default 8GB)		1x 260-pin DDR4 2400MHz SODIMM Max. up to 32GB (Default 8GB)	
1/0	2x GbE by M12 X-Code 8-pin, 2x RS-232/422/485 by M12 A-Code 8-pin, 4x USB 2.0 by M12 A-code 8-pin, 1x Pressure Valve			
Storage & Expansion	1x mSATA (Default 128GB), 1x Full-size Mini PCIe (internal)			
Power	M12 S-code 4-pin, ATX 110~240V			
Operating Temp	-20°C to 55°C -10°C to 50°C			to 50°C
LCD Size	15" (4:3) TFT XGA	15.6" (16:9) Full HD	21.5" (16:9) Full HD	23.8" (16:9) Full HD
Brightness (cd/m2)	300 nits	450 nits	350 nits	450 nits
Touch Screen	Resistive 5-wire Touch / Projective Capacitive, Optical Bonding			
IP Level	Full System IP66/69K			
Certification	CE, FCC Class A			
Mounting	VESA Mount Optional: Yoke Mount, Panel Mount			

INDUSTRIAL BOARD SOLUTIONS

Our line of industrial motherboards and single board computers represent the standard of embedded computing as well as the future of data processing and I/O connectivity. From OEM /ODM enterprise computing designs to embedded single board computer applications, We provide reliability and longevity with standard off-the-shelf industrial grade motherboards for the most challenging embedded deployments.



1.8" SERIES

FEMTO ITX MINI INDUSTRIAL SBC



2.5" SERIES

PICO ITX COMPACT INDUSTRIAL SBC



3.5" SERIES

3.5-INCH SFF INDUSTRIAL SBC



MINI-ITX **SERIES**

RICH I/O INDUSTRIAL MOTHERBOARD



MICRO ATX

SERIES

RICH EXPANSIONS INDUSTRIAL MOTHERBOARD



We also provide end-to-end engineering services to ensure your configuration requirements and solve your mechanical design challenges. From a full custom solution to a small change in the I/O, we can adapt each motherboard to comply with your specifications without compromising performance.



BOARDS SERIES MORE

We offer industrial-grade scalability with standard motherboards and 0EM system design. Standard form factors include: Single board computers (1.8" Femto-ITX, 2.5" PICO-ITX, and 3.5" SBCs); Mini-ITX; and Micro-ATX.

1.8" FEMTO ITX SERIES

2.5" PICO ITX SERIES





Model	CT-NR101
CPU	AMD Ryzen™ Embedded R1606G with Radeon™ Vega 3 Graphics (3.5GHz/2 Core)
Memory	1x DDR4-2400 Single-Channel Memory 4GB (Up to 8GB, Optional)
Storage	eMMC up to 64GB
Display	2x Micro HDMI 1.4 [4K DCI]
Rear I/O	1x RJ45 (GbE) 1x Type C USB 3.1 Gen 1 (5V/3A) 2x 5-pin header DIO (4-in/4-out)
Internal I/O	1x USB 2.0 (4-pin header, internal)
Expansion	1x Full-size Mini PCIe (PCIe x1, USB 2.0) 1x SMBus
Operating Systems	Windows 10, Linux Kernel 5.x
Power	ACPI, DC IN 12V
Operating Temperature	0°C to 60°C
TPM	TPM 2.0
Dimension	84 x 55 (mm)

Model	CT-PBT01
CPU	Intel [®] Celeron Processor J1900 (2.0GHz/4 Core/10W)
Memory	1x 204-Pin DDR3L 1066/1333MHz SODIMM. Max. up to 8GB
Storage	1x SATA 3.0Gb/s 1x mSATA (shared by 1x Mini PCle)
Display	1x HDMI (2048x1080 @60Hz) 1x LVDS
Rear I/O	1x USB 3.0, 1x USB 2.0 1x RJ45
Internal I/O	1x RS-232/422/485, 1x RS-232 2x USB 2.0 1x 8-bit GPIO (4-in/4-out)
Expansion	1x Half-size Mini PCIe 1x Half-size Mini PCIe (Full-size optional)
Operating Systems	Windows 10, Windows 7, WES7 Linux kernel 3.X
Power	ACPI, DC IN 12V
Operating Temperature	-10°C to 70°C
TPM	N/A
Dimension	100 x 72 (mm)

BOARDS SERIES MORE



3.5" SBC SERIES

intel. RYZEN EMBEDDED



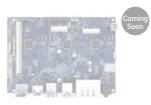


	(A.B. Will W. Walliam A.	— ms and 17 ======	
Model	CT-DR101	CT-DWL01	
CPU	AMD Ryzen™ Embedded V1605B (3.6 GHz/4 Core/15W) AMD Ryzen™ Embedded R1606G (3.5 GHz/2 Core/25W)	8th Gen. Intel® Core™ Processor i3/i5/i7 Intel® Celeron® Processor (up to 4.4 GHz/4 Core/15W)	
Memory	2x 260-pin DDR4 2400 SO-DIMM. Max. up to 32GB (ECC and Non-ECC)	1x 260-Pin DDR4 2400MHz SO-DIMM Max. up to 32GB	
Storage	1x SATA 7-Pin Connector	2x SATA Gen3	
Display	1x DisplayPort 1.4 (Support DP++, 4K UHD) 1x HDMI 2.0b (4K UHD, Optional) 1x LVDS	1x DisplayPort (4K) 1x HDMI (1920 x 1200, Optional) 1x LVDS & 1x EDP internal connector	
Rear I/O	2x RJ45 (GbE) 2x USB 3.2 Gen2 (10 Gbps) 2x USB 2.0	2x RJ45 (GbE) 4x USB 3.2 Gen 2 (10 Gbps)	
Internal I/O	2x 6-Pin Front Panel Header for Audio	4x RS-232/422/485 2x USB 2.0 2x 4-bit DIO (4-in/4-out) 1x Front Panel Audio	
Expansion	1x Full-size Mini PCIe (PCIe x1, USB 2.0) 1x M.2 B Key, 3042, Support SATA 1x SIM socket (M.2 B Key attached)	2x mPCle x1 (Gen3)	
Operating Systems	Windows® 10, Linux Kernel 5.x		
Power	AT/ ATX Power, DC IN 12V	AT/ ATX Power, DC IN 12V	
Operating Temperature	-40°C to 75°C	-40°C to 70°C	
TPM	TPM 2.0	TPM 2.0 Through Infineon	
Dimension	146 x 102 (mm)		

BOARDS SERIES MORE



3.5" SBC SERIES









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II I	C	

Model	CT-DAS01	CT-DAL11	CT-DML01
CPU	Intel® Atom® x7433RE Processor (3.40 GHz/4 core/12W) Intel® Atom® x7835RE Processor, (3.60/8 core/20W)	12 th Gen Intel [®] Alder Lake-N Processor N97 (3.60 GHz/4 Core/12W) Intel [®] Atom [®] x7835RE Processor (3.60 GHz/8 Core/12W)	Intel® Core™ Ultra 5 Processor 125U, up to 4.30 GHz (2+8+2 core) Intel® Core™ Ultra 7 Processor 155U, up to 4.80 GHz (2+8+2 core)
Memory	1x DDR5 4800 MT/s up to 16GB (Non-ECC)	1x 262-pin DDR5 4800 SO-DIMM. Max. up to 16GB (Non-ECC)	1x 262-Pin DDR5 5200MHz SO-DIMM. Max. up to 32GB
Storage	1x M.2 M Key (2242/2260/2280, PCIe x2) for NVMe SSD	1x SATA 3.0 6Gb/s (Support AHCI)	1x M.2 M Key (2280, PCIe x4 Gen 4/SATA) for NVMe/SATA, auto detect
Display	1x 4K DP 1x 4K HDMI 1x eDP / 1x LVDS	1x DisplayPort 1.4 (4K DCI) 1x HDMI (4K UHD) 1x eDP 1.4b (FHD) 1x LVDS (FHD)	2x DP++ 1.4 (4K UHD) 1x eDP 1.4b (4K UHD) 1x LVDS (WUXGA)
Rear I/O	2x RJ45 (2.5GbE), 2x RS232 1x Nano SIM Socket (Attached to M.2 B Key), 3x USB 3.2 Type A Gen 1 (5 Gbps) 1x USB 3.2 Type C Gen 1 (5 Gbps)	3x RJ45 (2.5GbE) 1x Dual Nano SIM Socket 2x USB 3.2 Gen 2 (10 Gbps)	3x RJ45 (2.5GbE) 2x SIM Nano Socket 1x USB 3.2 Type-C GEN 1 (5 Gbps 2x USB 3.2 Gen 1 (5 Gbps) 1x USB 2.0
Internal I/O	2x RS232/422/485 2x USB 2.0 1x 4-in / 4-out DIO	2x RS-232/422/485 2x USB 2.0 1x 8-pin GPIO (4-in/4-out)	4x RS-232/422/485 (internal) 1x 8-pin GPIO (4-in/4-out) 4x USB 2.0
Expansion	1x M.2 E Key (2230, PCIe x1, USB 2.0) for Wi-Fi/Bluetooth, 1x M.2 B key (2242/3042/3052, PCIe x1) for NVMe/SATA/4G/5G Module,	1x M.2 B Key [2242/2280/3042] support for NVMe/4G/5G, 1x M.2 E Key (PCIe x1, USB 2.0, 2230) for Wifi/Bluetooth	1x M.2 B Key (3042/3052, PCIe x2 +USB 3.0) for 4G/5G 1x M.2 E Key (2230) for Wifi/ Bluetooth
Operating Systems	Windows® 10 Enterprise, Windows® 11 IoT Enterprise Linux Linux Ubuntu 22.04		
Power	AT/ATX Power, DC IN 9~36V	AT/ATX Power, DC IN 12~36V	AT/ATX Power, DC IN 12~24V
Operating Temperature	-40°C to 85°C	-10°C to 60°C	0°C to 60°C
TPM	TPM 2.0		
Dimension	146 x 102 (mm)		

BOARDS SERIES MORE



MINI ITX SERIES







		\$ (and \$ 000)	16.00
Model	CT-XSL01	CT-XCL01	CT-XRL02
CPU	Intel [©] 6 th Gen. Core™ i3/i5/i7 Processor (LGA 1151, 35W)	8 th /9 th Gen Intel [®] CFL-R S Processor (LGA 1151, 95W/65W/35W)	12 th /13 th /14 th Gen. Intel i3/i5/i7/i9 (Max 65W)
Memory	2x DDR4 1866/2133MHz SODIMM. Max. 32 GB	2x DDR4 2133/2400/2666 SODIMM. Max. up to 32 GB	2x 260-pin DDR4 SO-DIMMs 3200 MHz (Non-ECC) Max. 64 GB
Storage	4x SATA 6.0Gb/s 1x mSATA (shared by 1x mPCle) 1x M.2 M-Key (2280)	4x SATA 3.0Gb/s (support RAID 0, 1, 5, 10), 1x M.2 M-Key (2280, SATA)	3x SATA 6.0Gb/s (RAID 0, 1, 5, 10), 1x M.2 M-Key (2242/2280, PCIe x4 Gen 4)
Display	1x DVI-D 1x DisplayPort 1x LVDS	1x DP 1.2, 1x DVI-D 1x HDMI 1.4 1x LVDS	1x HDMI Real 4K 2x Real 4K DP
Rear I/O	2x RJ45 (GbE), 1x RS-232/422/485, 4x USB 3.2 Gen1 (5 Gbps), 2x USB 2.0	2x RJ45 (GbE), 1x RS-232/422/485, 4x USB 3.1 Gen 2 (10 Gbps), 1x USB 3.1 Type-C (optional)	3x RJ45 (2.5GbE) 6x USB 3.2 Gen 2 2x RS-232/422/485
Internal I/O	4x RS-232 2x USB 3.2 Gen1 (5 Gbps), 2x USB 2.0, 1x 8-bit GPIO (4-in/4-out)	4x RS-232 2x USB 3.2 Gen 1 (5 Gbps) 2x USB 2.0 1x 8-bit DIO (4-in/4-out)	2x USB 3.2 Gen 2 (10 Gbps) 1x Front panel audio 2x USB. 2.0 1x 16-bit DIO (8-in/8-out)
Expansion	1x Full-size mPCIe 1x PCIe x16	1x Full-size mPCIe 1x PCIe x16 (Gen 3)	1x PCIe x16 Gen4 Gold Finger for Riser Card Expansion (1x PCIe x16 or 2x PCIe x8), 1x M.2 B-Key 3042 (with Nano SIM for 4G/5G), 1x M.2 E-Key 2230 (for Wifi/BT)
Operating Systems	Windows 10, Windows 8.1, WES8.1, Windows 7, WES7, Linux Kernel 4.X	Windows 10 Linux Kernel 5.X	Windows 10/11 Linux Kernel
Power	ATX Power	ATX Power	ATX-Power 24P, 12V-8P
Operating Temperature	0°C to 60°C		
TPM	TPM 2.0 (Optional) TPM 2.0		
Dimension	170 x 170 (mm)		

BOARDS SERIES MORE



MICRO ATX SERIES





Model	CT-MCL01	CT-MRL01	
CPU	8 th /9 th Gen. Intel [®] Core™ i3/i5/i7 CFL-R S Processor (LGA 1151, 95W/65W/35W TDP)	12 th /13 th /14 th Gen Intel [®] Core™ i3/i5/i7/i9 Alder lake-S, Raptor Lake-S (LGA 1700, 65W Max)	
Memory	4x Pin DDR4 2133/2400/2666MHz DIMM. Max. 64 GB	4x DDR4 2133/2400/2666MHz DIMM. Max 128GB	
Storage	6x SATA 6.0Gb/s 1x M.2 M-Key (2242/2260/2280, PCIe x4) for NVMe/SATA	4x SATA 6.0Gb/s 2x M.2 M-Key (2242/2260/2280, PCIe x4 Gen4) for NVMe/SATA	
Display	1x VGA 1x DVI-D 2x DP 1.2	4x DP++ (4K)	
Rear I/O	2x RJ45 (GbE) 2x RS-232/422/485 4x USB 3.2 Gen 2 (10 Gbps)	2x RJ45 (GbE, 2.5GbE) 1x USB-C 3.2 Gen 2x2 (20 Gbps) 6x USB 3.1 Gen 2 (10 Gbps)	
Internal I/O	4x RS-232 1x USB 3.2 Gen 1 (5 Gbps) 7x USB 2.0 1x 8-bit DIO (4-in/4-out)	6x RS-232 2x USB 3.0 Gen 1 (5 Gbps) 4x USB 2.0 1x 8-bit DIO (4-in/4-out)	
Expansion	1x PCIe x16 (Gen3) 2x PCIe x4 (Gen3) 1x PCIe x1 (Gen3) 1x M.2 E-Key (2230, PCIe x2, USB 2.0)	1x PCIe x16 Slot (Gen 5) 1x PCIe x16 (Gen 4, 4-Lane) 1x PCIe x4 (Gen 4, 0pen End) 1x PCIe x4 (Gen 3, 0pen End) 1x M.2 E-Key (2230, PCIe x2 Gen3) for USB 2.0	
Operating Systems	Windows 10, Linux Linux Kernel 5.X	Windows 10/11, Linux Kernel 5.X	
Power	ATX Power		
Operating Temperature	0°C to 60°C		
TPM	TPM 2.0		
Dimension	244 x 244 (mm)		

COMING SOON

PRODUCTS

INDUSTRIAL EDGE COMPUTERS

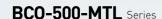


BCO-500-ROK Series

Fanless Mini PC with Rockchip RK3568J Series



- Industrial Grade Shock & Vibration Resistant
- Cost Effective Rich I/O Ports and M.2 Expansions



Fanless Mini PC with Intel Meteor Lake CPU

- · 4G/5G High-Speed Wireless
- Type-C High-Speed I/O
- · EDGE AI Intel® AI Boost
- CORE ULTRA Core Ultra 5 125U / Core Ultra 7 155U







JCO-1000-ORN-B Series



Fanless Mini PC with NVIDIA Jetson Orin NX/Nano Super Module

- 157 TOPS Edge Al Enabled
- · -20°C to 55°C Wide Temperature
- 2x LAN Rich I/O Ports and M.2 Expansions
- **Mini** 150 x 105 x 61 mm

INDUSTRIAL DISPLAY SYSTEMS

VIO-300 Display Module Series

IP65 Display Module for PC600 Series

- High-Brightness 1000+ NITS
- **SLIM** Thin Rugged Design
- **OPTICAL BONDING** Optional
- IP65 Front Panel Protection

SIO-300-ASL Series

Stainless Steel Industrial Panel PC with Intel Atom® X7835RE / X7433RE

- SUS316 Corrosion Proof
- IP68/69K Dust & Waterproof
- -20°C to 60°C Wide Temperature





AIO-200-MTL Series

All-in-One IP65 Industrial Panel PC with Intel Meteor Lake Processor

- IP65 Front Panel Protection EDGE AI Intel® AI Boost
- **SLIM** 5~6.2 cm Thick
- **CORE ULTRA** Core Ultra 5/7

INDUSTRIAL BOARDS











CT-PMG01

2.5" Series

MediaTek Geno MTK G510/G700



Intel Amston Lake X7835RE / X7433RE CT-XAR01 Mini-ITX Series

Intel Arrow Lake Core Ultra Series



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