Xedge Pro - Preliminary

Industrial PC • Octa Core up to 3.9 GHz



- 4 Ethernet ports, including 2× 2.5 GbE for high-bandwidth and segmented networks
- Dual independent display output via DisplayPort++ and USB-C (DP Alt Mode)
- Hardware-based security with TPM 2.0
- Optional RS-232/422/485 serial and CAN interfaces
- Optional configurable I/O

Highlights

The Xedge Pro is a high-performance industrial PC designed for edge applications that require maximum computing power in a compact footprint. Powered by octa-core Intel processors and 16 GB of LPDDR5 memory, it delivers the performance needed for data processing, advanced visualization and multitasking. Its slim DIN-rail design fits easily into any control cabinet, making it ideal for the most demanding automation and IIoT projects.

- Octa-Core Performance: Intel Atom x7835RE 3.6 GHz or Intel Core 3 N355 3.9 GHz processors with 16 GB LPDDR5 RAM, for running demanding workloads and multiple applications at the same time.
- Fast, Flexible Storage: 64 GB onboard flash and an M.2 2240 slot that supports both SATA and NVMe SSDs for high-speed data access.
- Hardware-Based Security: An integrated TPM 2.0 module protects encryption keys, credentials and device identity.

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Technical Data

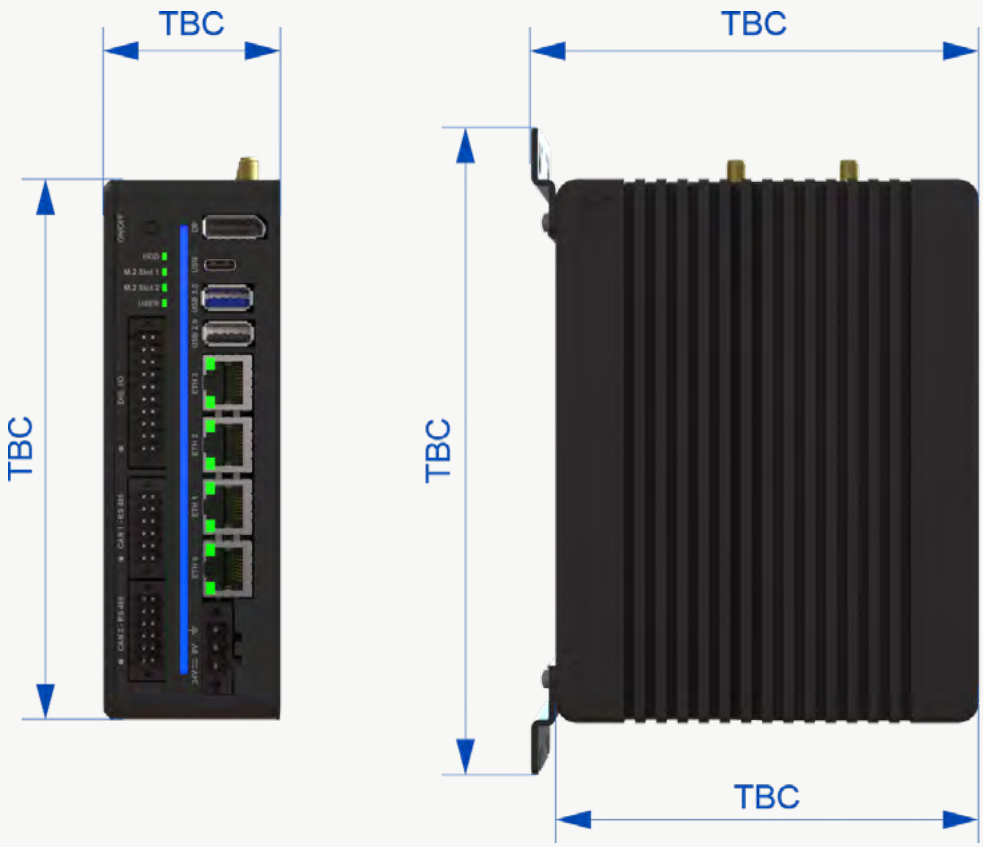
System Resources	
CPU	Intel Atom x7835RE octa core – 1.3GHz HFM / 3.6GHz Turbo Intel Core 3 N355 octa core – 1.9GHz HFM / 3.9GHz Turbo
L2 cache	6 MB
Operating System	None, Windows, Linux
Flash	64 GB
Ram	16 GB (LPDDR5 4800MT/s)
Storage	1x M2240 M+B key SATA/NVME
TPM	Infineon SLB9672XU2.0FW16.24 TPM 2.0
Real Time Clock, RTC Back-up	TBC
Interface	
Display port	1x (Display Port ++, 3840x2160 @ 60Hz), 1x USB-C (Display Port, Alternate Mode)
Ethernet port	2x 1.0 GbE, 2x 2.5 GbE
USB port	1x (2.0, type A), 1x (3.2, type A), 1x (3.2, type C, max. 30W)
Serial port	Optional, Software configurable (RS-485/232/422)
CAN port	Optional
I/O	Optional
Expansion port	1x Connector
Buzzer	TBC
Antenna	2x Wi-Fi Antenna (Optional)
Power button	Yes
Indicator Light	1x RGB LED, 4x Green status led
Ratings	
Power supply	24 Vdc (9 to 32 Vdc)
Current Consumption	TBC
Input Protection	Electronic Fuse
Environment Conditions	
Operating Temperature	TBC
Storage Temperature	TBC
Operating / Storage Humidity	TBC
Protection Class	TBC
Dimensions and Weight	
Height	154 mm (TBC)
Width	50 mm (TBC)
Depth	129.2 mm (TBC)
Weight	TBC
Mounting type	DIN rail TS35

Approval

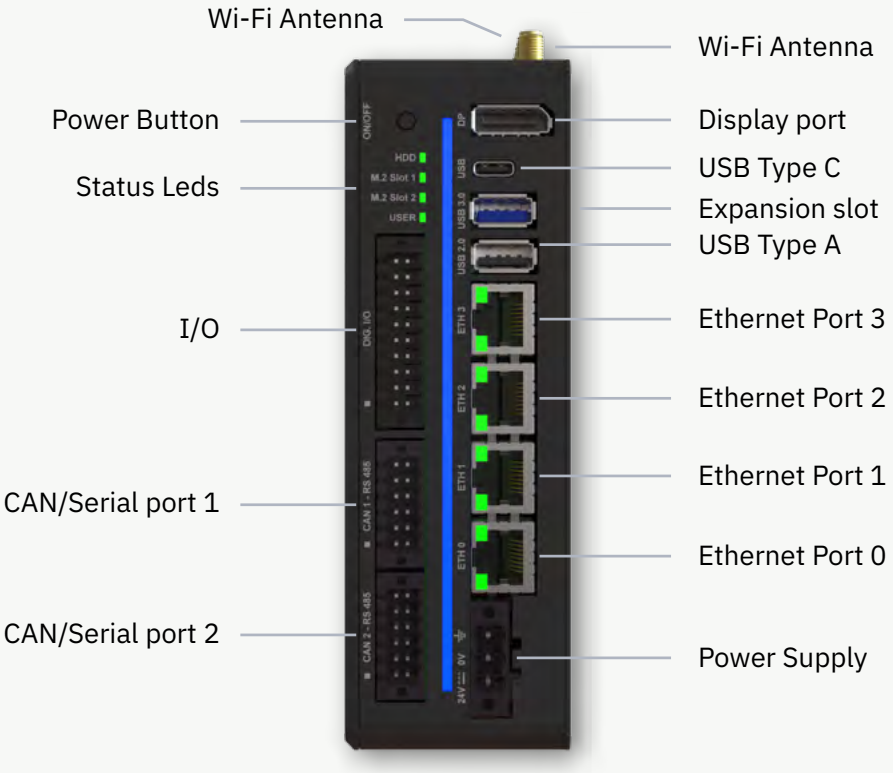
Certification	
CE	Electromagnetic Compatibility Directive 2014/30/EU (EMC)
UL	cULus: UL61010-1 / UL61010-2-201
RCM	Yes

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Dimensions



Connections



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Connectors

Connector	Replacement	Part Number
TBC		
TBC		
TBC		

Ordering Information

HW Model	Part Number	Description
Xedge Pro	TBC	TBC

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