



## Toledo

A flexible IoT-Edge Network appliance Intel® Atom® C3000 Processor Based

### Product Description

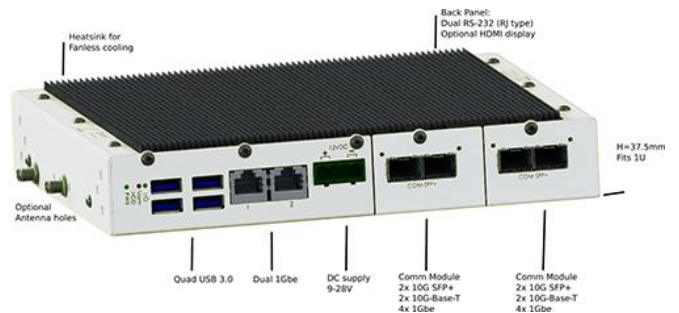
The Toledo, Intel Atom® C3000 Processor based, is a 1U compact fanless industrial server / network appliance.

Highly modular by design, the Toledo allows 'mix and match' of 10G SFP+, 10G Base-T and 1Gbe ports.



### Key Features

- Based on Intel® Atom® C3000 Processor Series, 4-16 Cores
- Two slots of communication modules allowing mix and match of up to 4x 10G SFP+ or 4x 10G Base-T or 10x 1G Ethernet ports or any combination of 10G SFP+, 10G Base-T and 1GE. Two pairs of 1GE LAN bypass available.
- Wireless / Wan / BT trough M.2 and Min PCIe slots.
- Fanless and rugged design for harsh environments.
- Wide supply-voltage ranging from 9VDC to 28VDC.
- Optional PCIe 3.0 x8 slot extension which can accommodate full height PCIe Add-on card



### Technical Specifications

General Technical Specifications	
<b>Processor</b>	Intel Atom® C3000 Processor Series, 4-16 Cores
<b>Memory</b>	2 x LP DDR4 ECC 2400/2133 MHz, up to 64GB
<b>Storage</b>	NVMe SSD: M.2 KEY M, PCIE3.0 x4, 2260 or 2280 or 22110 SATA3 SSD: M.2 KEY B, 2260 or 2280
<b>Networking</b>	10 Gigabit : SFP+: 4x SPF+ RJ45: 4x 10GBase-T or Mix: 2x SPF+ and 2x 10GBase-T Gigabit 2x 1Gbe ports 6x 1Gbe ports

	10x 1Gbe ports LAN bypass, Optional WWAN / WLAN: 4G,LTE,3G / 802.11ac/ad, Wireless Gigabit Bluetooth: BT 5.0
<b>Display</b>	HDMI, 4K, SM768 256MB display memory, Optional
<b>Interfaces</b>	USB: 4x USB3.0 Serial ports: 2x RS232 CAN bus: Using mPCIE, Optional Digital I/O, 2.5KV Optically isolated, 16 In + 16 Out, Optional
<b>Expansion Slots</b>	PCIe 3.0, 8 lane, Add-on slot. Full Height, Half Length (FHHL), up to 25W total M.2 M-KEY: 1x sockets, NVME, PCIe4 M.2 B-KEY: 1x socket, SATA, USB3.0/2.0 + SIM M.2 E-KEY: 1x socket, PCIe1, USB2.0 MiniPCIE: 1x socket half size
<b>Management</b>	BMC AST2400/2500, IPMI 2.0, DCMI, iKVM, Virtual Media, Optional
<b>Security</b>	TPM 2.0, SLB9665 SECURE BOOT, SECURE FLASH
<b>Power</b>	9-28VDC with Reverse polarity, Over/under Voltage protection
<b>Software support</b>	Windows: Win 10 IoT, WS2016,WS2019 Linux®: All major distributions
<b>LED</b>	Power, HDD, 2x GPIO
<b>Mechanical</b>	DIMENSIONS: 209x187x37.5mm (WxDxH), WEIGHT: 1.1Kg +add-ons
<b>Environment</b>	OPERATING TEMPERATURE  Standard 0°C to 50°C Extended* -20°C to 60°C Industrial* -30°C to 72°C * On selected configurations STORAGE TEMPERATURE -40°C to 85°C HUMIDITY 95%@40°C (non-condensing)
<b>Certification</b>	EMC: CE, FCC ,AS/NZS, SAFETY: IEC 60950-1, AS/NZS