

MEC-0100

Marvell OCTEON TX2 - CN9130
 4 x Arm Cortex-A72, up to
 2.2GHz



Fanless System Design (DIN-Rail)

1x Marvell Processor (88F6820, Cortex A9, 1.6G, 2 Cores)

2GB DDR4 Memory

8GB eMMC Storage

3x RJ45 GE Ethernet Port, 2x Power Input (12-48V)

1xWi-Fi/Cellular Module /2.4GHz 802.22b/g/n, LTE Module)

1x DIDO and 1x RS-232/ RS-422/ RS-485

Specifications

Platform	
Processor	Marvell 88F6820 (2 Cores, TDP: 5W) – 1.6GHz
System Memory	2/4GB DDR4 (FF: Memory Down; Speed: 1600 MT/s; ECC: Yes)
Ethernet Port	LAN: 2x RJ45 GE Ports (Ethernet PHY 88E1512) MGMT/WAN: 1x RJ45 GE Port (Ethernet PHY 88E1512P)
Expansion	2x mPCIe Modules (Optional, 1x Full Size & 1x Half Size)
Storage Device	8GB eMMC
Dimension (WxDxH)	130 mm x 100 mm x 38.7 mm
Power Supply	2x 12-48V Terminal Blocks w/ Screw
Isolation	Ethernet 1.5 kV RMS
I/O	
Serial Port	1 x Type C USB RS-232 Console; 1x RS-422/RS-485 (Optional)
USB Port	1 x USB 3.0 Port
Button	1x FD (Factory to Default)

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Thermal/ Cooling	Fan-less Design
LED	1 x PWR1 LED (Green) 1 x PWR2 LED (Green) 1 x STATE LED (Green, GPIO Control) 1 x Security (IPS/IDS) LED (Green, GPIO Control) 1 x FAULT LED (Red, GPIO Control) 1 x MGMT LED (Green, GPIO Control) 1 x BYPASS LED (Green, GPIO Control) 1 x LTE/User Defined LED (Green, GPIO Control) 3 x GE Ethernet LEDs
Dust & Waterproof	IP30 (standard chassis)
Operations & Certifications	
Operating Environment	Temperature: -40 - 75°C Humidity: 20 - 90% RH
Storage Environment	Temperature: -40 - 85°C Humidity: 5 - 95% RH
Certification	CE/FCC/VCCI and UL
OS Support	Linux Kernel (32bit) / FreeBSD

