



PECA-6232T

Fanless DIN-Rail Gateway of Intel® Atom® x6000 Processor and Up to 6 Ethernet Ports with 2-Segment Bypass



Specification

CPU	Intel® Atom® x6212RE/x6414RE (2C/4C) processor (Formerly Elkhart Lake)
System Memory	1x DDR4-3200 SODIMM up to 32GB
Ethernet Port	- 2x GbE ports (Marvell 88E1512) with LAN Bypass - 2x 2.5GbE ports (Intel® I225-IT) with LAN Bypass and TSN function - 2x GbE SFP (Intel® I210-IS)
Bypass	2x Bypass segments in 2x GbE ports and 2x 2.5GbE ports
Expansion	- 1x M.2 Key-B 3042/3052 slot (PCIe + USB interface) for 5G option - 1x Full-size mini PCI-E slot (USB + SATA interface)
Storage Device	- 1x 2.5" SATA 3.0 SSD - 1x eMMC onboard (optional)
I/O Port	- 1x RJ45 system console port - 1x DB9 COM port (RS-232/422/485) - 1x 3-pin terminal block COM port (RS-485) - 1x HDMI - 2x USB 3.0 ports - 1x Tact switch for reset - 4x Antenna holes - 1x Power input connector
TPM	TPM 2.0
Power Supply	9 to 36VDC (typical 12/24V) with terminal block for dual power input
Dimension	66 (W) x 127 (D) x 150 (H) mm 2.6" (W) x 5" (D) x 5.9" (H)

Operation

Operating Environment	- Temperature: -40°C to +70°C (-40°F to +158°F) - Humidity: 20 - 95% non-condensing
Storage Environment	- Temperature: -40°C to +85°C (-40°F to +185°F) - Humidity: 10 - 95% non-condensing
OS Support	Windows / Linux Kernel
Certification	CE / FCC (Class A)

Features

- Fanless DIN-Rail Gateway with Wide Operating Temperature from -40°C to +70°C
- Intel® Atom® x6212RE/x6414RE Processor (Formerly Elkhart Lake)
- Up to 6x Ethernet Ports with 2x GbE SFP, 2x GbE LAN (Bypass) and 2x 2.5GbE LAN (Bypass)
- Dual Wide Power Input of 9 to 36VDC
- Supports 5G with M.2 Key B 3042/3052 and TPM 2.0



Front Panel

Management Port	1x RJ45 System Console port
COM Port	1x DB9 (RS-232/422/485) 1x 3-pin terminal block (RS-485)
Ethernet Port	2x GbE RJ45 ports 2x 2.5GbE RJ45 ports 2x GbE SFP
LED	Power / Storage / LAN bypass / Wireless / Programmable LED
USB	Dual USB 3.0 ports
Display (side)	1x HDMI

Optional CPUs

Models	Cores/Threads	Frequency	Cache	TDP
Intel® Atom® x6212RE	2C/4T	1.20GHz	1.5MB	6W
Intel® Atom® x6414RE	4C/8T	1.50GHz	1.5MB	9W



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