

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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