SETO-1000

Extreme Outdoor Server with Intel® Xeon® Processor E5-2400 v2 Series

Features

- Single/Dual Intel® Xeon® Processor E5-2400 v2 series
- Six memory sockets support VLP RDIMM DDR3-1333/1600 REG/ECC up to 96GB
- Intel® C604 Chipset
- Dual 10G SFP+ ports
- Dual 10/100/1000 BASE-T ports
- IP65 water and dust proof
- Conduction cooled, aluminum chassis

Specifications

● CPU / Chipset / Memory

CPU
Single/Dual Intel® Xeon® E5-2418L v2 (6C/12T) 2.0GHz
Single/Dual Intel® Xeon® E5-2428L v2 (8C/16T) 1.8GHz
Single/Dual Intel® Xeon® E5-2448L v2 (10C/20T) 1.8GHz

Chipset
Intel® C604 Chipset

Memory
Six DDR3-1600/1866 240-pin VLP RDIMM sockets, up to 96 GB (up to 48GB for single CPU SKUs)

● BIOS

Chip
AMI BIOS on SPI flash memory

● I/O Interfaces

Ethernet
Dual 10/100/1000BASE-T RJ-45 port
Dual 10G SFP+ interface

Storage
Onboard bootable 32GB SATA flash (optional up to 256GB)
Two 2.5" SATA SSD drive bays (external access)

USB
Two USB 2.0 ports on front panel

Front Panel I/O
2x 1GbE port
2x SFP+ port
1x Display port (Break cable for 2 USB port and console port)

Power Input
DC 36-72V power input, supports DC-48V for Telcom

● IPMI

Chip
Smart Fusion A2F500

IPMI
IPMI v2.0 based intelligent system manager & power manager. Supports temperature management for platform power manager: cold start heating, overheating, lower performance, shutdown& auto recover, self & remote diagnostic capability

● Other Features

Expansion
Mini PCIe socket onboard; PCIe x16 signals via proprietary onboard connector (max. 15W)

Packet Processing
Intel® Communications Chipset 8920 (optional) Acceleration

Operating System
Linux 6.x

● Mechanical and Environmental

Form Factor: Fanless with aluminum conduction cooling enclosure
Dimension: 340 mm x 440 mm x 44 mm (L x W x H)
Weight: 10 kg

Operating Temp.
-40˚C to +55˚C (Airflow: +25˚C 8 CFM/+55˚C 30 CFM)
Storage Temp.: -40˚C to +70˚C

Humidity
5% to 95%, non-condensed
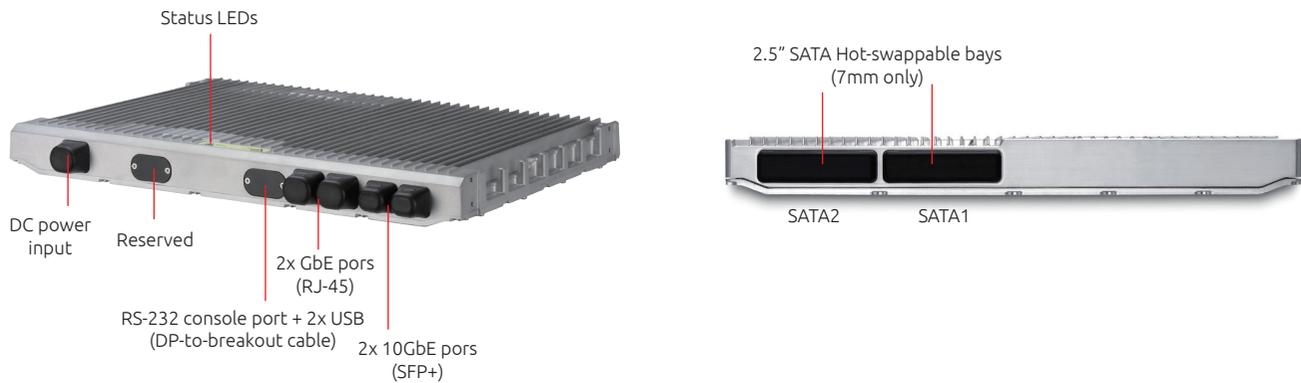
Shock
20G peak-to-peak, 11ms duration, non-operation

Vibration
Non-operation: 1.88Grms, 5-500Hz each axis
Operation: 0.5Grms, 5-500Hz each axis
Power Consumption: 400~500W
IP rating: IP65
Certification: FCC, CE

Ordering Information

- **93-99202-001E**
  SETO-1000/D2418Lv2/M16GB/mSATA32GB

- **93-99202-100E**
  SETO-1000/D2428Lv2/M16GB/mSATA32GB

- **93-99202-200E**
  SETO-1000/D2448Lv2/M16GB/mSATA32GB

Mechanical Layout

Status LEDs

DC power input

Reserved

RS-232 console port + 2x USB
(DP-to-breakout cable)

2x GbE pors
(RJ-45)

2x 10GbE pors
(SFP+)

2.5" SATA Hot-swappable bays
(7mm only)

SATA2   SATA1

Functional Diagram

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