SETO-1000

Features

- Single/Dual Intel® Xeon® Processor E5-2400 v2 series
- Six memory sockets support VLP RDIMM DDR3-1333/1600 REG/ECC up to 96 GB
- Intel® C604 Chipset
- Dual 10G SFP+ ports
- Dual 10/100/1000 BASE-T ports
- IP65 water and dust proof
- Fanless, 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 32 GB 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 USB port, 2x LAN, 2x SFP+, 1x COM port (RJ-45)
Power Input	DC 36-72V power input, supports DC-48V for Telcom

IPMI

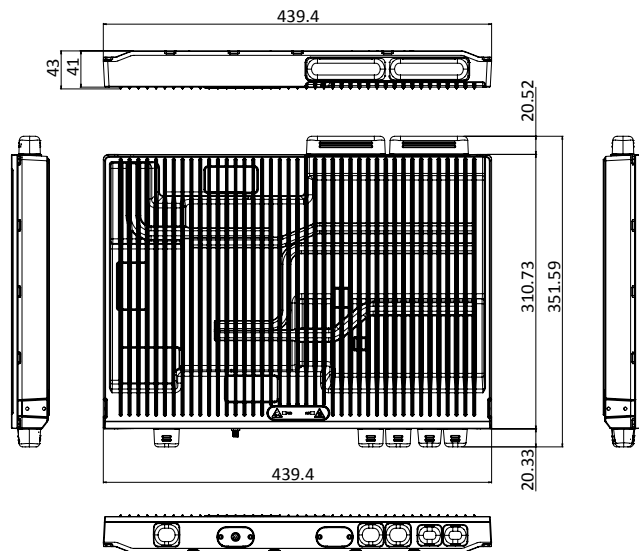|	
Chip	Smart Fusion A2F500
IPMI	IPMI v2.0 based intelligent system manager & power manager. Supports temperature management for platform power manager: cold start heating, overheating, lower performance, shutdown& auto recover, self & remote diagnostic capability.

Other Features

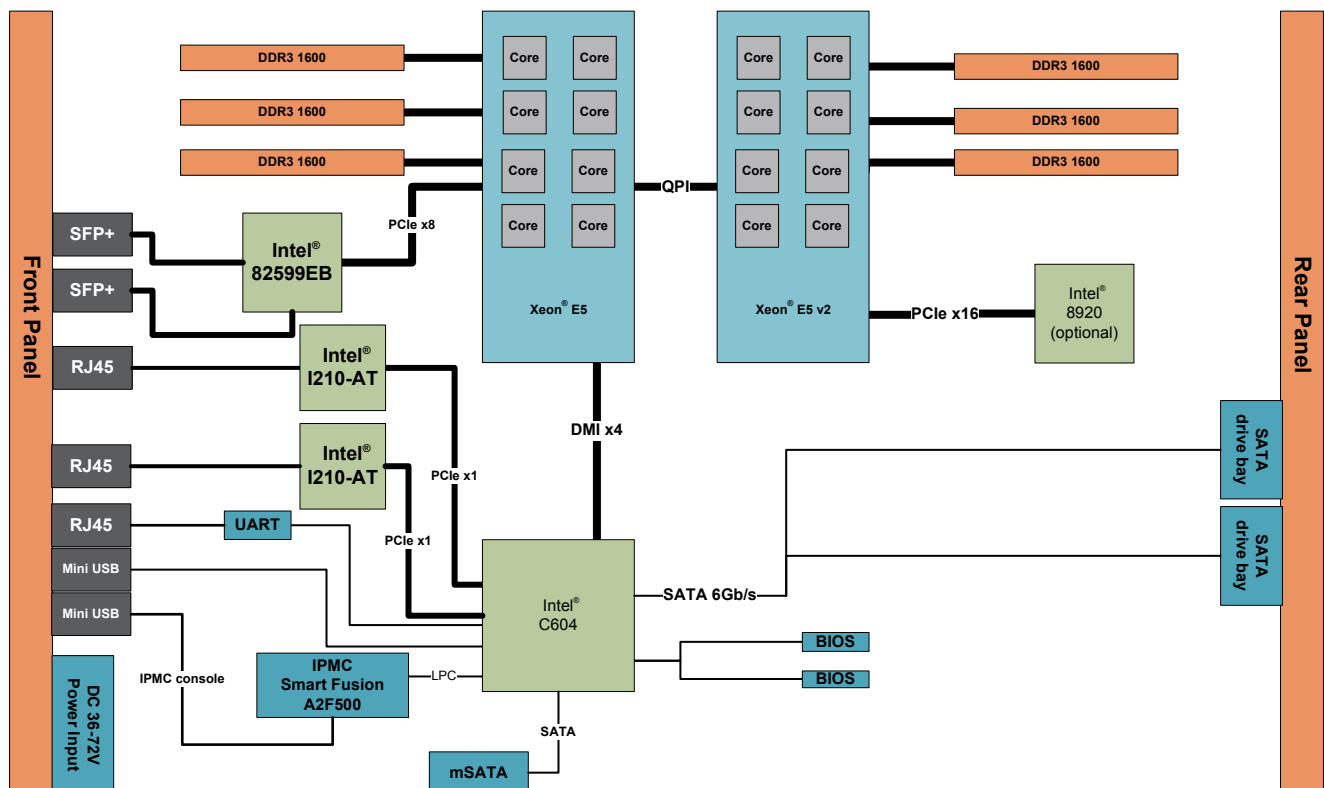|	
Expansion	Mini PCIe socket onboard; PCIe x16 signals via proprietary onboard connector (max. 15W)
Packet Processing Acceleration	Intel® Communications Chipset 8920 (optional)
Operating System	Linux 6.x

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℃ to +55℃
Storage Temp.	-40℃ to +70℃
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, UL, NEBS Level 3 (design)

Mechanical Layout

439.4

43
41

20.52

310.73
351.59

439.4

20.33

Units: mm [inches]

Functional Diagram

DDR3 1600	Core	Core
DDR3 1600	Core	Core
DDR3 1600	Core	Core
	Core	Core

Front Panel

SFP+
SFP+

Intel®
82599EB

PCIe x8

Xeon® E5

QPI

Xeon® E5 v2

DDR3 1600
DDR3 1600
DDR3 1600

Core Core
Core Core
Core Core
Core Core

PCIe x16

Intel®
8920
(optional)

Rear Panel

RJ45

Intel®
I210-AT

RJ45

Intel®
I210-AT

PCIe x1

DMI x4

RJ45

UART

PCIe x1

Mini USB
Mini USB

Intel®
C604

SATA 6Gb/s

SATA
drive bay

SATA
drive bay

IPMC console

IPMC
Smart Fusion
A2F500

LPC

BIOS
BIOS

DC 36-72V
Power Input

SATA

mSATA

Note: All specifications are subject to change without further notice.

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