

FTA 1170/1170A

1U Rackmount Professional uCPE w/ Intel Atom® Processor, 24 x 2.5GbE & 4 x 10GbE Copper Ports, 4 x 10GbE Fiber Ports, 1 x LAN Module Slot

NEXCPE™



Main Features

- Intel Atom® P5300 processor series SoC, BGA type
- 4 x 288-pin DDR4 DIMM socket
- 1 x mini-PCIe slot for Wi-Fi 6 module
- 1 x M.2 3052 Key B for 5G FR1 module
- 1 x SO-DIMM DDR4 260-pin for BMC module
- 24 x 2.5GbE RJ45 switch ports
- 4 x 10GbE RJ45 NIC ports
- 2 x 10GbE SFP+ switch ports
- 2 x 10GbE SFP+ NIC ports
- 1 x PCIe Gen3 x16 interface LAN module slot

Product Overview

FTA 1170/1170A features Intel Atom® P5300 processor and integrates multiple I/O interfaces, a total of 24 x 2.5GbE and 4 x 10GbE RJ45 ports with PoE+ capability (FTA 1170), 4 x 10GbE fiber ports, and 1 x LAN module slot. FTA 1170 offers optional support of modules for wireless connectivity, including 4G LTE, 5G FR1, and Wi-Fi 5/6. FTA 1170 also features three swappable fans, two redundant power supplies and out-of-band (OOB) management for the convenience of remote control.

Specifications

Main Board

- Intel Atom® processor P5300 SoC, BGA type, 8-24 cores (up to 85W), w/ Intel® QAT

Main Memory

- 4 x DDR4 2933 ECC RDIMM, UDIMM sockets, max. memory capacity up to 256GB for RDIMM and 128GB for UDIMM

Storage

- 1 x 8G eMMC 5.1 onboard
- 2 x 2.5" internal SSD/HDD
- 1 x M.2 2280 NVMe (Key M, PCIe x4)

Interface External

- Button: reset
- LED for power/HDD/LAN/5G/Wi-Fi 6/PoE status
- 1 x RJ45 console port
- 1 x RJ45 management port
- 2 x USB 3.0 port
- 1 x nano-SIM slot

- 24 x 2.5GbE switch ports with PoE+ (FTA 1170) /24 x 2.5GbE switch ports (FTA 1170A)
- 4 x 10GbE RJ45 NIC with PoE+ (FTA 1170)/ 4 x 10GbE RJ45 NIC ports (FTA 1170A)
- 2 x 10GbE SFP+ switch ports
- 2 x 10GbE SFP+ NIC ports
- 8 x SMA connectors (front: 4 x for 5G/4G LTE, 2 x for Wi-Fi 5/6 antennas; back: 2 x for Wi-Fi 5/6 antennas)
- 1 x PCIe Gen3 x16 interface LAN module slot

Interface Internal

- 1 x mini-PCIe slot for Wi-Fi 6
- 1 x M.2 3052 Key B for 5G
- 1 x SO-DIMM DDR4 260-pin for IPMI module
- 4 x SPI connectors for PoE+ modules
- 1 x TPM header

Power

- 1 x CRPS 550W 12V AC PSU + 1 x CRPS 1000W 54V PoE+ PSU (FTA 1170)
- 2 x CRPS 550W 12V AC Redundant PSU (FTA 1170A)

Dimension and Weight

- Chassis dimension (mm): 438mm x 542 mm x 44mm (W x D x H)
- Package dimension(mm): 570mm x 741 mm x 226mm (W x D x H)
- Without packing: 10.1Kg
- With packing: 12.1kg

Environment

- Operating temperature: 0°C~40°C
- Storage temperature: -20°C~80°C
- Relative humidity: 10%~90% non-condensing

Certification

- CE/FCC class A
- CE-LVD

Ordering Information

♦ FTA 1170 (P/N: 10FT0117000X0)

Intel Atom® processor P5322, SoC, BGA type, 8 cores, 1 x CRPS 550W 12V AC PSU, 1 x CRPS 1000W 54V PoE+ PSU, 24 x 2.5GbE & 4 x 10GbE RJ45 ports with PoE+

♦ FTA 1170A (P/N: 10FT0117001X0)

Intel Atom® processor P5322, SoC, BGA type, 8 cores, 2 x CRPS 550W 12V AC redundant PSU, 24 x 2.5GbE & 4 x 10GbE RJ45 ports w/o PoE+