TCA 5170

Intel® Xeon® Skylake-D SoC Processors,
1U Rackmount with 8GbE Copper, 4 x 10GbE Fiber, 2 LAN Module





Main Features

- Intel® Xeon® Skylake-D SoC, BGA type
- DDR4-2666 ECC or non-ECC memory DIMM, max. 256GB
- Support 8 x 1GbE LAN ports, 4 x 10GbE SFP+ port, 2 LAN module
- Internal one M.2 socket
- Support Intel® QAS® ready
- 1 x USB 3.0 connector
- TPM 1.2/2.0 supported

Product Overview

1U network security appliance TCA 5170 helps medium enterprises build a securely connected workplace. Based on the new Intel® Skylake-D Xeon® SoC, BGA type, the TCA 5170 packs excellent performance per watt, accelerated data cryptography and server-grade LAN functions into a small form factor. This 1U network security appliance can create safe environments for network communication to connect employees and offices.

Specifications

Main Board
- TCB 5170
- Intel® Xeon® Skylake-D SoC, BGA type

Main Memory
- 8 x DDR4 2666 DIMM ECC/non-ECC memory, max. 256GB

LAN Features
- 8 x Copper ports
- 4 x Fiber ports (CS4227 four 10G PHY)
- 1 x LAN controller: Intel® i210-AT management port
- LAN bypass: 2 pairs
- Support LAN module (optional)
- Support 10/100/1000 link speed

I/O Interface-Front
- Power status/HDD status/GPIO status
- 1 x Reset button
- 1 x USB 3.0
- 1 x Micro USB type console port
- 1 x LAN controller: Intel® i210-AT management Port
- 8 x Copper ports
- 4 x SFP+ fiber ports
- 1 x 16x2 LCM (optional)
- 2 x LAN module slot (optional)
- 4 x SMA connector holes for RF cable

I/O Interface-Rear
- 1 x Power button
- 1 x VGA connector (optional)
- 2 x Power cord connector

Storage
- 1 x 2.5" HDD bay
- 1 x M.2 2242 and 2280 length M-key socket

Power Input
- 300W 1+1 redundant power supply

Dimensions
- Chassis dimension (mm): 438 x 480 x 44
- Carton dimension (mm): TBD

Weight
- Without packing: 8 kg
- With packing: 12 kg

Certifications
- CE Approval
- FCC Class B
- UL

Ordering Information

Barebone

- **TCA 5170 (P/N: TBD)**
  1U Intel® Xeon® Skylake-D SoC D-2145NT with 4 x 10GbE + 8 1GbE LAN ports, 2 LAN module (NI/NX series) bays, w/o LCM kit

Model	P/N Controller	Interface	Type	Port Number	Bypass/ Segment	Expansion Slot	Location Slot
NX 140F	10S20140F01X0	XL710-BM1	PCIe x8	4 SFP+	None	None	All Slot
NX 142F	10S20142F01X0	XL710-BM1	PCIe x8	4 SFP+	2 bypass	None	All Slot
NX 142F-LR	10S20142F03X0	XL710-BM1	PCIe x8	4 SFP+	2 bypass	None	All Slot
NX 120F	10S20120F00X0	X710-BM2	PCIe x8	2 SFP+	None	None	All Slot
NI 140F	10SK000NI02X0	i350AM4x1	PCIe x8	4 SFP	None	None	All Slot
NI 180F	10S10180F01X0	i350AM4x2	PCIe x8	8 SFP	None	None	All Slot
NI 142C	10SK000NI03X0	i350AM4x1	PCIe x8	4 Copper	2 bypass	None	All Slot
NI 180C	10S10180C01X0	i350AM4x2	PCIe x8	8 Copper	None	None	All Slot
NI 184C	10S10184C01X0	i350AM4x2	PCIe x8	8 Copper	4 bypass	None	All Slot
NI 142F	10S10142F01X0	i350AM4x1	PCIe x8	4 SFP	2 bypass	None	All Slot
NI 121F	10S10121F01X0	i350AM2x1	PCIe x8	2 SFP	1 bypass	None	All Slot
NI 140C	10S10140C01X0	i350AM4x1	PCIe x8	4 Copper	None	None	All Slot
NV 120F	10S50120F01X0	XXV710-AM2	PCIe x8	2 QSFP	None	None	All Slot
NC220Q28M	10S30022002X0	MT27708A0-FDCF-CE	PCIe x16	2 QSFP28	None	None	1, 2

We reserve the right to change specifications and product descriptions at any time without prior notice.