



## Main Features

- Intel® Xeon® D-2166 (Skylake-D) SoC, BGA type
- DDR4-2666 RDIMM ECC memory DIMM, max. 256GB
- Support 8 x GbE LAN ports, 4 x 10GbE SFP+ port, 2 LAN modules
- 3 x M.2 sockets for Wi-Fi, LTE and storage
- Support Intel® QAT® ready
- 1 x USB 3.0 connector
- TPM 1.2/2.0 supported

## Product Overview

1U network appliance TCA 5170 helps medium enterprises build a securely connected workplace. Based on the new Intel® Xeon® D-2166 (Skylake-D) 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® D-2166 (Skylake-D) SoC, BGA type

### Main Memory

- 8 x DDR4 2666 RDIMM ECC DIMM 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
- Support Wi-Fi, 1 x M.2 2230 E-key slot with antenna
- Support LTE, 1 x M.2 3042 B-key slot with antenna

### 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
- 4 x SMA connector holes for RF cable

### I/O Interface-Rear

- 1 x Power button
- 2 x Power cord connector

### Storage Device

- 1 x 2.5" HDD bay
- 1 x M.2 2280 M-key socket, supports both SATA and PCIe interfaces

### Power Input

- 450W 1+1 redundant power supply

### Dimensions

- Chassis dimension (mm): 438 x 480 x 44

### Weight

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

### Certifications

- CE/FCC class A

## Ordering Information

### Barebone

#### ♦ TCA 5170 (P/N: 10CA0517000X0)

1U Intel® Xeon® D-2166 with 4 x 10GbE + 8 x 1 GbE LAN ports, 2 LAN module slots, 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 SPF28	None	None	All Slot