



Main Features

- 1U compact rackmount size
- Intel Atom® C3000 SoC 8~16 cores, BGA type
- Quick assist: up to 20Gbps crypto
- Virtualization: Intel® VT-x, Intel® VT-d, SR-IOV, VMDq
- DDR4-2400 ECC or non-ECC UDIMM, max.64GB
- Support 2 x 10GbE SFP+ ports and 6 x 1GbE LAN port
- Internal 1 x 2.5" SSD bay, on-board eMMC 5.0
- 2 x USB 3.0 connector
- TPM 1.2/2.0 supported

Product Overview

NEXCOM's 1U appliance TCA 1161 countenances inexhaustible possibilities of 5G applications. Powered by Intel Atom® C3000 processor family, TCA 1161 features scalable performance, virtualization technologies, and expandable functions to provide a solid platform for virtual customer premise equipment (vCPE) and edge computing. TCA 1161 enables provisioning customized network services over virtual networks to improve service agility and operational flexibility for telecoms.

Specifications

Main Board

- DTB 1160
- Intel® Atom™ processor C3758, 8 Core 2.2 GHz with Quick Assist, BGA type

Main Memory

- 4 x 288-pin DDR4 2133/2400 DIMM sockets, up to 64GB ECC or non-ECC SDRAM

LAN Features

- 4 x 1G RJ45 copper LAN port from Intel® i350
- 2 x 1G RJ45 copper LAN port from Marvell PHY: 88E1512
- 2 x 10G SFP+ fiber from Intel® C3758 SoC
- 1 x LAN module (PCIe x4)

I/O Interface-Front

- 2 x USB 3.0 port (5V/1A)
- 1 x RJ45 type console port
- 2 x SFP+ port
- 6 x Copper port
- 1 x Power button; 1 x reset button
- 1 x 4 Green LED indicators: power status/HDD status/system status/user define (all LEDs are programmable)

I/O Interface-Rear

- 3 x Antenna hole (reserve)

Storage

- 1 x 2.5" SATA HDD/SSD socket (internal)
- 1 x M.2 2242 B-key slot

Expansion

- 1 x LAN module slot (PCIe x4 width)

Power Input

- 50W single ATX power supply

Dimensions

- Chassis dimension: 430 mm x 305 mm x 44 mm

Weight

- Without packing: 5 kg
- With packing: 6 kg

Environment

- Operating temperatures: 0°C~40°C
- Storage temperature: -20°C~75°C
- Relative humidity: 10%~90% non-condensing

Certifications (Plan)

- CE Approval
- FCC Class B
- UL

Ordering Information

Barebone

♦ TCA 1161 (P/N: TBD)

Model	P/N Controller	Interface	Type	Port Number	Bypass/Segment	Expansion Slot	Location Slot
NX 140F	10S20140F01X0	XL710-BM1	PCIex8	4 SFP+	None	None	All Slot
NI 140C	10S10140C01X0	i350AM4x1	PCIex8	4 Copper	None	None	All Slot