

Intel Atom C3758 8 Core 6 LAN 10Gig SFP+ 1U Rackmount Server

🔗 <https://www.pondesk.com/product/NSHO-004>

Features

- Intel Atom® (Denverton) C3758 up to 2.20 GHz 8 Core Processor
- Intel® AES-NI and Secure Key
- 4x 10Gig SFP+ Fiber Port Interfaces
- 8x Intel® I210-AT Gigabit Ethernet (Support Wake on LAN/PXE)
- Integrated 1 Group BYPASS
- VGA Display, USB 2.0, RJ45 Console
- Support up to 128GB DDR4 R-DIMM/U-DIMM 2400MHz Memory
- Support ECC/non-ECC Memory
- Support Three Storage Drives (mSATA & 2.5" SATA SSD/HDD)
- Supports Intel® QuickAssist Technology
- Supports Intel® Data Plane Development Kit (Intel® DPK)
- Support WiFi and 3G/4G LTE WWAN Networks (optional)
- Energy Efficient 24W (idle) Low Power Consumption
- Support Windows/Windows Server/Linux/Unix/Firewalls etc.
- Support Hypervisor VMware ESXi and VirtualBox etc.
- Suitable for VPN, Network Bandwidth Controller, Security Gateway, UTM Applications etc.
- Can be configured as a Firewall, LAN/WAN Router, DNS & DHCP Server etc.
- Support pfSense, Untangle, Debian, Sophos, FreeBSD, Smoothwall, Endian, ClearOS, m0n0wall etc.



Specifications

Processor

Intel Atom® Processor C3758
8 Cores, 8 Threads
16M Cache, up to 2.20 GHz

Memory

Support up to 128GB (4x32GB)
DDR4 R-DIMM/U-DIMM 2400MHz
Support ECC Memory
4 Memory Slot

Storage

Support 1 x mSATA SSD
Support 2 x 2.5" SATA SSD/HDD

LAN

Six Gigabit Ethernet Ports
Intel I210-AT Gigabit Ethernet Controller
Support 1 Group LAN BYPASS (LAN1 & LAN2)
Support Wake on LAN/PXE

Expansion Slots

One mSATA Slot (For SSD)
One mini PCIe Slot (For WiFi/WWAN/
VGA Module)

I/O Interfaces

6 x Gigabit RJ45 LAN
4 x SFP+ 10Gig Fiber Ports
1 x RJ45 Console
2 x USB 2.0, 1 x VGA
Power & Reset Switch, LED Indicator
802.11 b/g/n WiFi & 3G/4G LTE (optional)
(Support VGA/WiFi/4G, one module at a time)

OS

Support Windows/Windows Server/
Linux/Unix/Firewalls
Support VMware ESXi and VirtualBox
Support pfSense, Untangle, Debian,
Sophos, FreeBSD,
Smoothwall, Endian, ClearOS,
m0n0wall etc.

Graphics

VGA Display (via External VGA Module)
HD Graphics

Advanced Technologie

IAAdvanced Technologies
Intel® Virtualization Technology (VT-x)
Intel® Virtualization Technology for Directed I/O (VT-d)
Intel® VT-x with Extended Page Tables (EPT)
Integrated Intel® QuickAssist Technology
Intel® QuickAssist Technology
Intel® Data Plane Development Kit (Intel® DPK)

Security & Reliability

Intel® AES New Instructions
Secure Key
Execute Disable Bit
Intel® OS Guard

Onboard I/O

1 x Digital I/O Connector DIO1 (2*5pin)
1 x SIM Interface (1*6pin)
1 x COM (2*5pin)
1 x CPU FAN (1*4pin)
2 x SYS FAN (1*4pin)
4 x SATA3.0 Connector
2 x SATA Power Connector (1*4pin)
1 x Front Panel Bezel Connector JP2 (2*7pin)
1 x ATX Power Input Connector (1*4pin)

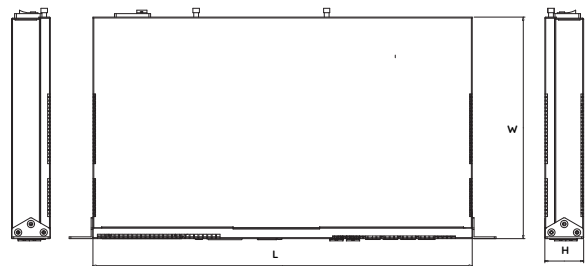
Power & Working Environment

Input: 100-240V - 50-60Hz
Consumption: 20W-35W
Operating Temperature: -10°C - 45°C
Storage Temperature: -15°C - 60°C
Relative Humidity: 5% - 95% (non-condensing)

Others

Chassis Material: Steel
Cooling: CPU FAN + Two Chassis FAN
Watchdog: 255 Stepping For System Reset
8 Stepping For LAN BYPASS
Weight: 3.5 KG (7 LB) Net Weight
4.5 KG (9 LB) Gross Weight
Package: 1 x Network Server, 1 x Power Cord

Dimensions



430mm x 251mm x 44mm (L*W*H)

Package

MODEL # NSHO-004
P/N: N004C371UND6L4FP

- 1 x Network Server
- 1 x Power Card

Optional

Memory
mSATA SSD
2.5" SATA HDD

4GB/8GB/16GB(2x8GB)/32GB(4x8GB) DDR4 DIMM Memory
16GB/32GB/64GB/120GB/240GB/480GB mSATA SSD
500GB/1TB/2TB 2.5" SATA HDD

