

# NSF1041i



## 1U Rackmount Intel® C3000 Denverton Platform Network Appliance with 4 x Intel 1GbE Copper LAN Ports, VGA, Bypass Function Option



### Specifications

System	
Form Factor	1U Rackmount Network Platform
Processor	Intel® Atom® processor C3958, 16 cores 2.0G, 16MB L2 cache, TDP 31W Intel® Atom® processor C3758, 8 cores 2.2G, 16MB L2 Cache TDP 25W Intel® Atom® processor C3558, 4 cores 2.2G, 8MB L2 Cache TDP 16W Intel® Atom® processor C3338, 2 cores 1.5G, 4MB L2 Cache, TDP 8.5W
System Memory	2 x DDR4-2400 288 Pin Long-DIMM ECC/ Non-ECC memory, Max. 32GB
Network	
Ethernet	4 x Copper ports via MARVELL PHY 88E1543 Support 10/100/1000 link speed
Display	
Graphic Controller	VGA
Connector	VGA Connector
Storage	
HDDs	5 x SATA 7P Connector for SATA 6 Gbps (Only 2x SATA for 4 cores version)
CF	1 x C-Fast card socket
Internal/ Expansion Interface	
PCIe slot	1 x PCIe x 8 Slot( PCIe x 4 for 2~4 cores) 1 x mini-PCIe support full length Mini card
Miscellaneous	
FAN	Support two Fan for System Fan design
Color	Gray
Power Input	
Power Requirement	1 x ATX Power Source Connector

### Features

- Processor: Single Intel® Denverton™ Processor  
Intel® Atom® processor C3958, 16 cores 2.0G, 16MB L2 Cache, TDP 31W  
Intel® Atom® processor C3758, 8 cores 2.2G, 16MB L2 Cache, TDP 25W  
Intel® Atom® processor C3558, 4 cores 2.2G, 8MB L2 Cache TDP 16W  
Intel® Atom® processor C3338, 2 cores 1.5G, 4MB L2 Cache, TDP 8.5W
- 2 x DDR4-2400 288 Pin Long-DIMM ECC/ Non-ECC memory Max. 32GB
- 1 x C-Fast card socket, 5 x SATA 7P Connector for SATA 6 Gbps (Only 2x SATA for 4 cores version)
- 4 x Copper ports via MARVELL PHY 88E1543 Support 10/100/1000 link speed
- 1 x mini-PCIe support full length Mini card , 1 x PCIe x 8 Slot (PCIe x 4 for 2~4 cores)
- LCM with Keypad x 1

Environmental Parameters and Dimension	
Operating Temperature	0 ~ 60° C (32 ~ 140° F)
Shock	TBD
Motherboard Dimension (W X D X H)	170mm x 170mm Mini - ITX Board With standard 1U Chassis
I/O Interfaces	
Front Panel	2 x USB 3.0 Type A 1 x RJ45 type console port 4 x Copper Gbe ports 1 x VGA port
Rear Panel	1 x Power Switch Button
Internal Interface	
	1 x TPM Header 1 x UART Header 1 x LCM display (Optional)
OS Support	
	Linux Kernel 3.2.75 Ubuntu 17.04 LTS Cent OS 7.3 Windows Server 2016

Ordering Information	
NSF-1001	1041i Intel® Denverton-NS Atom C3958 16Cores 4 Copper LAN ports, VGA, 1U Chassis
NSF-1003	1041i Intel® Denverton-NS Atom® C3758 8Cores 4 Copper LAN ports, VGA, 1U Chassis
NSF-1007	1041i Intel® Denverton-NS Atom® C3558 4Cores 4 Copper LAN ports, VGA, 1U Chassis
NSF-1009	1041i Intel® Denverton-NS Atom® C3338 2Cores 4 Copper LAN ports, VGA, 1U Chassis

