



NAR-7102

Tylersburg platform (Intel 5520), Up to 10 GbE ports



SPECIFICATION

CPU Board	- Supports Intel® Nehalem-EP and westmere-EP processors - Intel® 5520 chipset with Intel® QPI up to 6.4 GT/s
System Memory	- Support DDR3 800/1066/1333 DIMM - Supports up to 40 GB RDIMM
Ethernet Port	- Two PCI-E GbE ports (Intel® 82574L) - One flexible Ethernet module up to 8 GbE ports
Expansion Slot	One PCI-E x8 slot
Storage Device	- Up to two SATA 2.5" HDDs - Compact Flash socket on-board
Serial Port	- One front accessible RJ45 connector for system console - Two 2X5 pin-connectors
LCD Panel	- 2x16 characters LCD module with 4-buttons - 128x32 graphical LCD module with 4-buttons - 128x62 graphical LCD module with 7-buttons and 3 software control Bi-LEDs (project base)
LEDs	LED indicator for power status and storage access
USB	Two USB 2.0 ports
VGA	On-board 2x5 pin-header
Power	275W redundant ATX PSU
Dimension	443(W) x 556(D) x 44(H) mm 17.44"(W) x 21.9"(D) x 1.73"(H)
Operating Environment	- Temperature: 5 to 35°C (41 to 95°F) - Humidity 20% to 90% RH
Storage Environment	- Temperature: 0 to 70°C (32 to 158°F) - Humidity 5% to 95% RH
Certification	CE/FCC/UL

Option CPUs

CPU	Cores/Threads	Frequency	Cache	TPD
E5645	6/12	2.40 GHz	12M	80W
E5620	4/8	2.40 GHz	12M	80W
L5638	6/12	2.00 GHz	12M	60W
L5618	4/8	1.87 GHz	12M	40W
E5540	4/8	2.53 GHz	8M	80W
E5504	4/4	2.00 GHz	4M	80W
E5518	4/8	2.13 GHz	8M	60W
E5508	2/4	2.00 GHz	8M	38W

FEATURE

- Intel® Nehalem-EP and Westmere-EP
- Flexible Ethernet modules
- Up to ten Gigabit Ethernet ports
- PCI-E X 8 expansion slot
- Redundant 275W ATX PSU
- Support Compact Flash and Disk on Module(DOM)
- Front access for user-friendly maintenance
- Character or graphic LCD/Keypad for friendly installation and operation interface



Redundant 275W ATX PSU

Optional NIC

LAN Module	Ethernet Controller	Interface	Bypass
NIP-53020	82599ES	2 10G SFP+	0
NIP-53120	82599ES	2 10G SFP+	1
NIP-52080	82580EB	8 GbE SFP	0
NIP-52040	82580EB	4 GbE SFP	0
NIP-51080	82580EB	8 GbE RJ45	0
NIP-51240	82580EB	4 GbE RJ45	2
NIP-51040	82580EB	4 GbE RJ45	0
ABN-668	82575EB	8 GbE SFP	0
ABN-482	82571EB	2 GbE SFP	1
ABN-484L	82574L	4 GbE RJ45	2
ABN-484	82571EB	4 GbE RJ45	2
ABN-464	82571EB	4 GbE SFP	0
ABN-458	82574L	8 GbE RJ45	0
ABN-454L	82574L	4 GbE RJ45	0
ABN-454	82571EB	4 GbE RJ45	0

ORDERING GUIDE

Part No.	Ethernet Interface	EZIO	Exp.
NAR-7102-1011	10 Copper GbE ports	YES	PCI-E x 8