



CAR-5010

Tylersburg platform (Intel 5520), Up to 26 GbE ports



FEATURE

- Support Six-core Xeon and Quad-core Xeon processors
- Flexible removable network, HDD and expansion modules
- Up to 26 Gigabit Ethernet ports
- Support twelve DDR3 ECC memory sockets
- One PCI-Ex8 or one PCI-Ex4 for expansion
- Support character or graphic LCD modules
- Front access for easy maintenance
- Redundant 500W ATX PSU



SPECIFICATION

CPU Board	- Support Intel® Nehalem-EP and Westmere-EP processor - Intel® 5520 chipset
System Memory	- Twelve DDR3 ECC DIMM sockets - Supports up to 96 GB RDIMM (Based on DIMM spec.)
Ethernet Port	- Two PCI-E GbE ports (Intel® 82574L) for management - Three flexible Ethernet modules up to 24 GbE Ethernet ports
Bypass function	Support both copper and Fiber bypass modules
Expansion Slot	- One PCI-E x4 connector on board - One PCI-E x8 connector on board (can transfer into removable module)
Storage Device	- Up to two 3.5" SATA HDDs - Compact Flash socket on-board
Serial Port	- One RJ45 connector for system console - Two 2x5 pin-connectors
LCD Panel	- 2x16 characters or 128x32 with 4-buttons - 128x64 graphical LCD module with 7-buttons
LEDs	Power status and Data access
USB	Two USB 2.0 ports, front access
VGA	2x5 pin-connector
Power	Full-range 500W 1+1 redundant PSU
Dimension	438(W) x 562(D) x 88(H) mm 17.2"(W) x 22.1"(D) x 3.46"(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



Removable Smart Fan

Redundant 500W ATX PSU

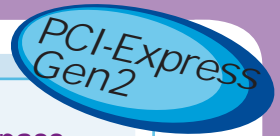
ORDERING GUIDE

Part No.	PCI-E GbE	Bypass	EZIO	Exp.
CAR-5010-4300-000	Optional	Optional	EZIO-300 or EZIO-G400	One PCI-E x4 One PCI-E x8

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Casewell PCI-Express Gen.2



LAN module	Ethernet Controller	Interface	Bypass
NIP-53020	intel® 82599ES	2 10GbE SFP+	0
NIP-53120	intel® 82599ES	2 10GbE SFP+	1
NIP-51080	intel® 82580EB	8 GbE RJ45	0
NIP-51240	intel® 82580EB	4 GbE RJ45	2
NIP-52080	intel® 82580EB	8 GbE SFP	0
NIP-52120	intel® 82580DB	2 GbE SFP	1

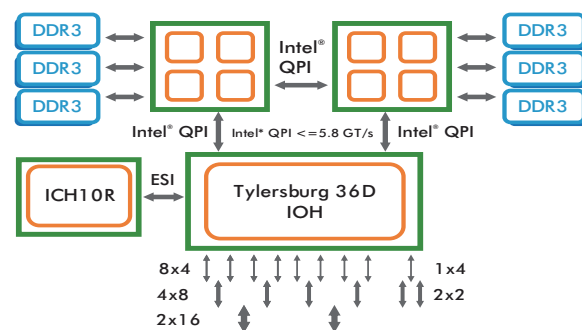
Casewell NIP

ABN-668	intel® 82575EB	8 GbE SFP	0
ABN-664	intel® 82575EB	4 GbE SFP	0
ABN-482	intel® 82571EB	2 GbE SFP	1
ABN-458	intel® 82571EB	8 GbE RJ45	0
ABN-454	intel® 82571EB	4 GbE RJ45	0
ABN-484L	intel® 82574L	4 GbE RJ45	2
ABN-454L	intel® 82574L	4 GbE RJ45	0

CPU	Clock	Core/Thread	QPI	Cache	Memory	TDP	Turbo	Socket
E5645	2.40	6/12	5.86	12MB	1333	80W	YES	LGA1366
E5620	2.40	4/8	5.86	12MB	1066	80W	YES	LGA1366
L5638	2.00	6/12	5.86	12MB	1333	60W	YES	LGA1366
L5618	1.87	4/8	5.86	12MB	1066	40W	YES	LGA1366
E5540	2.53	4/8	5.86	8MB	1066	80W	YES	LGA1366
E5504	2.00	4/4	4.8	4MB	800	80W	NO	LGA1366
L5518	2.13	4/8	5.86	8MB	1066	60W	YES	LGA1366
L5508	2.00	2/4	5.86	8MB	1066	38W	YES	LGA1366

Block Diagram

Quad Core 25 configuration shown



Processor Core

- Nehalem-EP (45nm) and Westmere-EP (32nm)
- Integrated Memory Controller
- Turbo Technology
- Turbo Technology
- Intel® QuickPath interconnect
- Intel® Hyper-Threading Technology
- Lead and halogen free platform kit