

Two Dual/Quad-Core™ Intel® Xeon® Processor-based 2U Rackmount Platform with up to 8 GbE LAN Ports



Features

- Dual Intel® Xeon® processors with 4/6 MB L2 cache, FSB support 1066/1333 MHz
- Supports Dual-Core™/Quad-Core™ Intel® Xeon® processors 5100/5200/5300/ 5400 series
- DDR2 533/667 ECC registered memory, up to 16 GB
- Eight 10/100/1000 Mbps LAN ports with LAN bypass
- Supports 8 RJ-45 connectors or 4 SFP's and 4 RJ-45 connectors
- Supports PCle or PCI-X add-in cards
- Supports two hot-swappable front 3.5" SATA HDD









Introduction

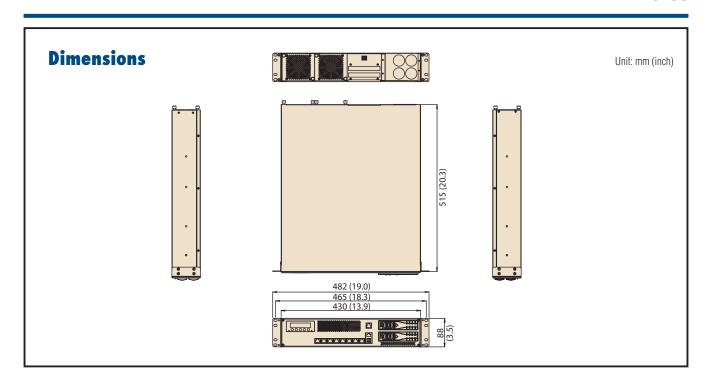
Built with functionality and availability in mind, the FWA-6480 Network Application Platform provides high-performance and an abundant feature set for enterprise-level network communication appliances. Designed with the Intel® 5100 MCH chipset, the FWA-6480 can support both single or dual processors with Intel® Xeon 64-bit Quad-Core or Dual-Core 5400/5300/5200/5100 series processors. Utilizing Intel® VT technology significantly improves system performance for networking environments. Incorporating an Intel® I/O controller Hub, ICH9R and other I/O subsystems, the system provides optimized computing efficiency and high-speed I/O bandwidth ideal for networking applications.

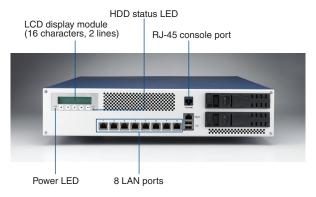
The FWA-6480 supports DDR2 533/667 MHz ECC registered memory, Serial ATA and PCI Express technologies, which optimize the system for space constrained installations. It supports different I/O combinations, such as the Intel® 5100 MCH which can provide either three PCle x8 or 6 PCle x4 interfaces. This ultra dense platform is built with a redundant power supply, which further increases the system's fault tolerance level.

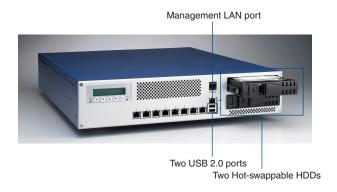
This 2U rackmount system supports two hot-swappable 3.5" SATA HDDs and CompactFlash for OS and network security applications. Also located on the front panel is an RJ-45 serial port, a 10/100 management LAN port, two USB ports and an LCD module for local system management, maintenance, and diagnostics.

Specifications

Profit Side Bus	-			
Front Side Bus		CPU	2 x Intel® Dual-Core™ 5100/5200 Series and Intel® Quad	-Core™ 5300/5400 series processors
Front Side Bus	Processor System	Max. Speed	Dual-Core™ up to 3.0 GHz and Quad-Core™ up to 2.8 GHz	
Technology		Front Side Bus	1066/1333 MHz	
Capacity		Chipset	Intel® 5100P + ICH9R	
Capacity	Mamaru	Technology	Dual Channel DDR2 533/677 MHz ECC registered	
PCIe 5 x PCIe x1 connects to 1/0 board 1 x PCIe x8 slots 7 x PCIe x8 slots 2 x PCI-E x8 slots 2 x PCI-E x8 slots 5 x PCI = x8 slots 5 x PCI	IVIEITIOLY	Capacity	Up to 16 GB with 4 DIMMs, 4G dual rank memory module	е
1 x PCle x8 slot for riser card 2 x PCl-E x8 slots Supports full-height cards and external access, such as 10 G Ethernet card PCl			2 x PCIe x8 connects to I/O board	
Riser Card 2 x PCI-E x8 slots Supports full-height cards and external access, such as 10 G Ethernet card		PCle	The state of the s	
Riser Card PCI 1 x PCI 32-bit/33 MHz slot Management Port 1 x Intel® 82573E 10/100/1000 Mbps Ethernet Interface Interface SATA Supports Qui in the front Compact Flash socket USB 1 x USB 2.0 in the front Serial 1 x console port in the front by RJ-45 connector LCD Module 1 x Console port in the front by RJ-45 connector LCD Module Toperating Power Power Temperature Operating Operating Ova 40° C (32 ~ 104° F) Humidity 5 ~ 85% @ 40° C (104° F) Dimensions (W x H x D) Power Dimensions (W x H x D) A x CI 32-bit/33 MHz slot A x GBE via RJ-45 interface A x GbE via RJ-45 inte	BUS			
Supports full-neight cards and external access, such as 10 G Ethernet card PCI 1 x PCI 32-bit/33 MHz slot Management Port 1 x Intel® 82573E 10/100/1000 Mbps Ethernet Interface 4 x GbE via RJ-45 interface 6 x 4 x GbE via SFP interface from Intel® 82571 Ethernet Controller supports 2 segments LAN bypass SATA Supports 2 x 3.5" hot-swappable SATA HDD, front accessible Compact Flash socket 1 x CF socket USB 1 x USB 2.0 in the front Serial 1 x console port in the front by RJ-45 connector LCD Module 1 Power Watts 500 W, 2U height (1+1 redundant, 500 W each) Input AC 100 ~ 240 V @ 50 ~ 60 Hz, full range Operating Non-Operating Fenvironment Temperature 0 ~ 40° C (32 ~ 104° F) -20 ~ 75° C (-4 ~ 167° F) Humidity 5 ~ 85% @ 40° C (104° F) 5 ~ 95% Dimensions (W x H x D) 430 x 88 x 515 mm (16.9" x 3.5" x 20.3")		Riser Card		
Management Port Interface Interface Interface A x GbE via RJ-45 interface 4 x GbE via RJ-45 interface 4 x GbE via SFP interface from Intel® 82571 Ethernet Controller supports 2 segments LAN bypass Storage SATA Supports 2 x 3.5" hot-swappable SATA HDD, front accessible Compact Flash socket I x CF socket USB I x USB 2.0 in the front Serial I x console port in the front by RJ-45 connector LCD Module 1 Watts 500 W, 2U height (1+1 redundant, 500 W each) Input AC 100 ~ 240 V @ 50 ~ 60 Hz, full range Operating Non-Operating Non-Operating Fenvironment Temperature O ~ 40° C (32 ~ 104° F) Humidity 5 ~ 85% @ 40° C (104° F) Dimensions (W x H x D) 430 x 88 x 515 mm (16.9" x 3.5" x 20.3")			, ,	0 G Ethernet card
Ethernet Interface A x GbE via RJ-45 interface 4 x GbE via SFP interface from Intel® 82571 Ethernet Controller supports 2 segments LAN bypass Storage SATA Supports 2 x 3.5" hot-swappable SATA HDD, front accessible Compact Flash socket 1 x CF socket USB 1 x USB 2.0 in the front Serial 1 x console port in the front by RJ-45 connector LCD Module 1 Watts 500 W, 2U height (1+1 redundant, 500 W each) Input AC 100 ~ 240 V @ 50 ~ 60 Hz, full range Operating Non-Operating Non-Operating Fundity Temperature 0 ~ 40° C (32 ~ 104° F) -20 ~ 75° C (-4 ~ 167° F) Humidity 5 ~ 85% @ 40° C (104° F) 5 ~ 95% Dimensions (W x H x D) 430 x 88 x 515 mm (16.9" x 3.5" x 20.3")			·	
Interface		Management Port		
Storage SATA Supports 2 x 3.5" hot-swappable SATA HDD, front accessible	Ethernet	Interface		
Compact Flash socket				
USB	Storage			ible
Peripheral Serial 1 x console port in the front by RJ-45 connector				
LCD Module 1 Watts 500 W, 2U height (1+1 redundant, 500 W each) Input AC 100 ~ 240 V @ 50 ~ 60 Hz, full range Operating Non-Operating Environment Temperature 0 ~ 40° C (32 ~ 104° F) -20 ~ 75° C (-4 ~ 167° F) Humidity 5 ~ 85% @ 40° C (104° F) 5 ~ 95% Dimensions (W x H x D) 430 x 88 x 515 mm (16.9" x 3.5" x 20.3")				
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Dimensions (W x H x D) 430 x 88 x 515 mm (16.9" x 3.5" x 20.3")		·		
				5 ~ 95%
Weight 18 kg (40 lb)	Physical			
		Weight	18 kg (40 lb)	







Ordering Information

Part number	Processor
FWA-6480CFF	4 norts GF R.145 + 4 norts GF SFP

Packing List

P/N	Description
1700002463	Cable RJ-45 to Console 9P 220 cm T

Accessory

P/N	Description
1702002600	3P 180 cm, USA
1702002605	3P 180 cm, Europe
1702031801	3P 180 cm, UK
1700000237	3P 180 cm. JP