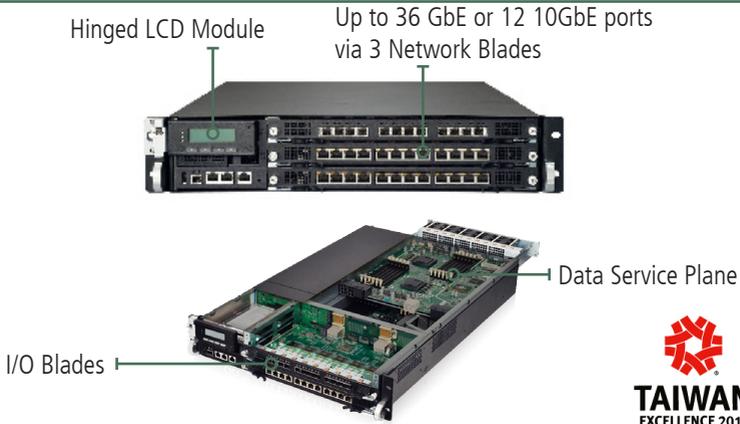


# FX-7220

## Hybrid TCA® Dual mainboard network appliance with three I/O blades and Intel® Xeon® processors



### Features

#### Dual Mainboards

The FX-7220 is equipped with a primary mainboard using two powerful Intel® Xeon® E5-2600 v2 series processors that handle core network applications and has room for a custom secondary mainboard that is dedicated to a secondary function such as network processing.

#### Selection of I/O Blades

With up to three warm swappable blades, the FX-7220 can be configured with up to 36 1GbE or 12 10GbE network ports in an array of SFP or copper combinations. With two Quad-channel DDR3 modules and two removable SATA hard drive bays, the FX-7220 can easily be expanded to fulfill future needs.

#### All in one Compact Chassis

The FX-7220 is the most powerful yet compact security appliance in the industry. It is 70 percent smaller in size and saves 70 percent more energy than its counterparts.

#### Total Solution System

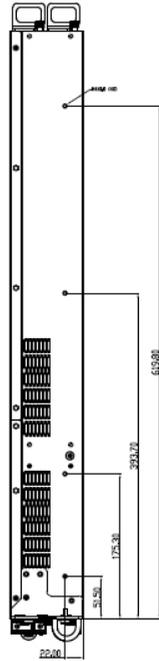
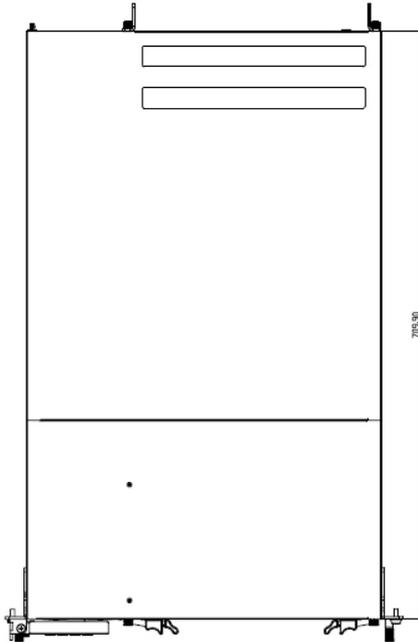
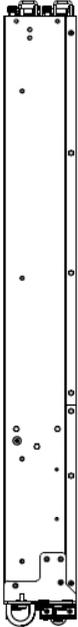
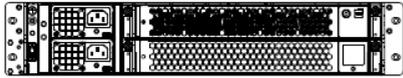
Combined with an advanced I/O blade design and field-replaceable components, the FX-7220 integrates control, management, packet and security processing in one system.

#### Redundant Power Supplies

Secure your network and protect your investment in the case of component failure with two high efficiency 1200W-AC/1010W-DC redundant PSUs.



**Dimensions: 431 x 88 x 718 mm**



# Specifications

Primary Mainboard Specifications		
Primary Mainboard	Processor	Supports two Intel® Xeon® E5-2600 v2 series processors, Dual LGA 2011 sockets
	Chipset	Intel C600
	System Bus	Supports Intel Quick Path Interconnect link speeds up to 8GT/s
	BIOS	AMI BIOS on 32MB Flash ROM
System Memory	Technology	Quad-channel DDR3 up to 1866 MHz
	Max Capacity	128 GB
	Socket	240P DIMM x 8
OS Support		Linux kernel 2.6
Storage	HDD Bay(s)	3.5" x 2 (removable tray)
	Storage Interface	Serial ATA x 2, Compact Flash x 1
Networking	Ethernet Ports	Up to 36 via 3 network blades with onboard 1 management port and 1 SFP+ dedicate port
I/O Interface	Console	RJ45 x 1
	USB 2.0	2
	IPMI via OPMA slot	Optional IAC-AST2300
Secondary Mainboard Specifications (Chassis Specifications)		
Form Factor		2U Rackmount
Cooling	Processor	1U CPU passive heatsink
	System	5 x cooling fans (swappable) with Smart Fan per mainboard
Environmental Parameters	Operating Temperature	CPU up to 130W: 0~40°C, CPU up to 95W: 0~55°C
	Humidity (RH), ambient operating and non-operating	5 ~ 95%, non condensing
Miscellaneous	LCD Module	128 x 64 graphic LCM
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	431 x 88 x 718 mm
	Weight	32 kg (48.5 lbs)
Power	Type / Watts	AC 1200 watt 1+1 redundant /each DC 1010 watt 1+1 redundant /each PM bus support
	Input	AC 100~240@50~60Hz
	Output	+5V 30A, +12V 32A, +3.3V 0-24A, +3.3V 10.0A, +5V 13.0A, +12V 10.0A, +5Vsb 2.0A, -12V 0.5A
Approvals & Compliance		CE Emission, FCC Class A, RoHS, UL

# Ordering Information

<b>FX-7220</b>	Single Intel Xeon E5-2600 v2 series blade and optional data plane blade with three I/O blades
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## I/O Blades

<b>NCM-BPGC01A</b>	12-port GbE RJ-45, support Gen 2 Bypass
<b>NCM-BPGC01B</b>	12-port GbE RJ-45, without Bypass
<b>NCM-BPSC01A</b>	12-port GbE SFP, without Bypass
<b>NCM-BPX402A</b>	4-port 10G SFP+, without Bypass