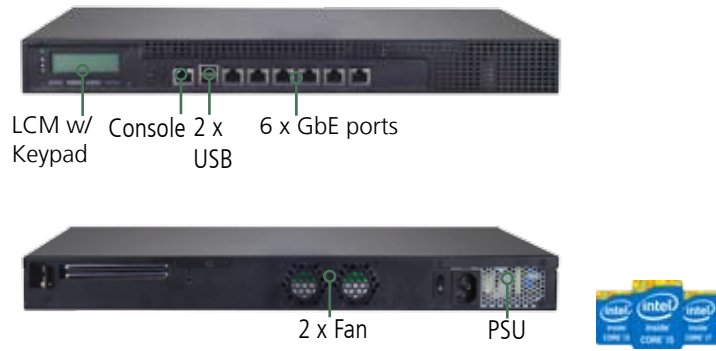


FW-7584

Rackmount x86 Network Security Platform with 4th Generation Intel® Core® i7/i5/i3 Series processor (Codenamed "Shark Bay")



Features

4th Generation Intel® Core™ processor i7/i5/i3 series with H81 (codenamed "Shark Bay")

The 4th Generation Intel® Core™ processor i7/i5/i3 series with H81 (codenamed "Shark Bay") is a quad or dual-core processor featuring 22nm process technology with Tri-Gate transistors. Intel AES New Instruction (AES-NI), allow security algorithms to benefit from hardware acceleration for data encryption and decryption. The platform support dual-channel DDR3/DDR3L 1600 MHz memory at 1.5V, thus it has power and space efficiency. The platform targeted at entry to mid branch office routers, security appliances, UTM or Next Generation Firewall appliances.

Intel's AES-NI Technology

With Intel new Haswell CPU, the FW-7584 can take full advantage of Intel's AES-NI technology to improve data encryption and decryption performance.

Watchdog Control LAN Bypass & Power Off LAN Bypass

The embedded watchdog monitors the system so that it can automatically trigger a reset if software hangs ; bypass ports allow users to have uninterrupted network traffic even if a single in-line appliance is shut down or is hung. Both are essential features of a network appliance. FW-7584 support 3 pairs of Generation 3 LAN Bypass.

Up to 7 Years Lifecycle Support

For Intel-based systems using chipsets and CPUs from Intel's embedded group we offer up to 7 years lifecycle support. This makes it possible for our customers to support their appliances for a longer time after deployment when compared to standard Intel server and desktop processors. Longer lifecycles can also be arranged by jointly planned inventories.

DDR3/L Low Voltage Memory Support

The FW-7584 supports DDR3L low voltage (1.5V) memory, it make whole system performance up to 5%~7% compare to previous generation CPU.

Dimensions (W x H x D): 431 x 44 x 305 mm

Preliminary Specifications

Form Factor		Rackmount
Platform	Processor Options	4th Generation Intel® Core™ processor i7/i5/i3 series with H81 (Codenamed "Shark Bay")
	Chipset	H81
OS Support		Windows 7,8,2000, XP, Vista, Server 2008, 2012, Linux Kernel 2.6 or above
BIOS		AMI BIOS 64 Mb
System Memory	Technology	Dual-channel DDR3/DDR3L 1066/1333/1600 MHz, un-buffered, non-ECC
	Max. Capacity	16 GB
	Socket	2 x 240-pin DIMM
Storage	HDD Bays	2 x 2.5" HDD/SSD kit (reserved 1 x 3.5")
	CF/SD	1 x CF card Type II
Networking	Ethernet Ports	6 x GbE RJ-45 onboard
	Bypass	3 pairs Gen.3
	Controllers	6 x Intel i210AT
	Ethernet Modules	N/A
	Management Port	N/A
I/O Interface	Reset Button	Yes
	Console	1 x RJ45
	USB	2 x USB 2.0
	IPMI via OPMA slot	Reserved for ODM
	Display	N/A
Expansion	PCIe	1 x PCIe x8 full high, half length
	PCI	N/A
Cooling	Processor	CPU heatsink with fan duct
	System	2x cooling Fan with smart fan control
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40° C / -20~70° C
	Humidity (RH), ambient operating / ambient non-operating	5~90%, non-condensing / 5~95%, non-condensing
Miscellaneous	LCD Module	2 x 20 LCM with keypad
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	431 x 44 x 305 mm
	Weight	7 kg
Power	Type / Watts	220 W ATX Power Supply Units
	Input	100~240 V @50~60 Hz
Approvals and Compliance		CE Class A, FCC Class A, RoHS

Ordering Information

FW-7584A	4th Generation Intel® Core™ processor i7/i5/i3 series with H81 (Codenamed "Shark Bay), 6 Intel GbE LAN ports with Gen.3 Bypass, 220 W ATX PSU
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