FX-3411

3U Cloud Storage Appliance with Two Intel® Xeon® E5-2600 Series processors (Sandy/Ivy Bridge-EP)

Mgmt / IPMI NIC module   NIC module   HDD Bays

LCM   Console

PCIe

Swappable Fans

RPS

intel inside™ XEON®

Overview

The FX-3411 series is a high performance 3U Rack mount form factor, supporting Sandy bridge-EP/ivy bridge CPU, Romely platform, up to 12 3.5" SAS/SATA HDD drive bays and up to 16 copper GbE ports or 8 SFP+ ports.

Features

Intel's New Communications Platform (Romley) with Next Generation Intel Processor

The FX-3411 has one next generation Intel processor built in, with a total of 10 cores. The FX-3411 supports motherboards with quad-channel memory, up to 512 GB (Registered) or 128 GB (Unbeffered) of RAM.

Redundant Power Supply Units

By having dual power supplies, each connected to different power sources, users safeguard their appliance against electrical failure.

LAN Bypass

FX-3411 support 2 NIC module slots, with LAN Bypass support up to NIC module Bypass support specification.

IPMI/Management port

FX-3411 includes one IPMI/management port for in-band management and out-of-band remote management.

Expandable with Lanner Ethernet Modules

Lanner's unique modular design allows you to mix and match your networking ports to suit your needs. Ethernet network modules have options including RJ45 with bypass, fiber bypass and 10Gbps modules.
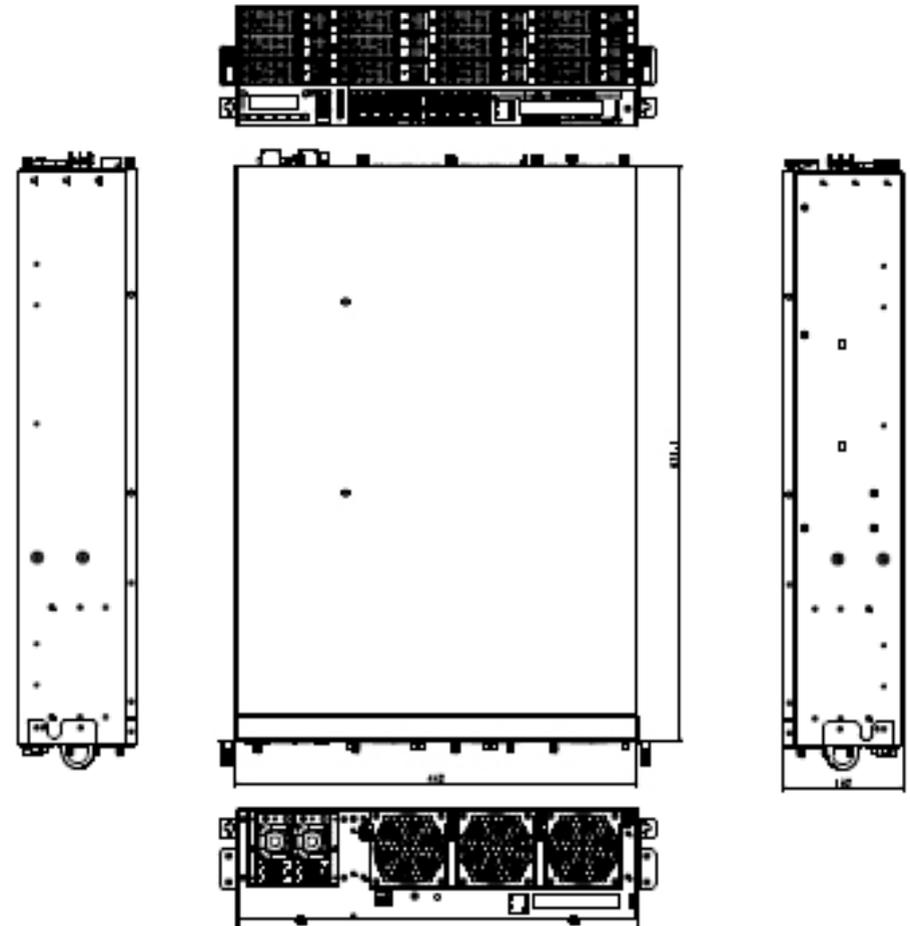
ECC Memory Support

FX-3411 supports Error-Correcting Code (ECC) memory technology, a server-grade memory technology that can identify and correct memory corruption automatically. With ECC, system performance is more secure and stable.

Cavium Nitrox® Security Acceleration Processor

Depending on the SKU chosen, the FX-3411 may come with the optional Cavium Nitrox® CN1620 security acceleration processor.

CAVIUM NETWORKS

Dimensions (W x H x D): 442 x 132 x 631 mm

Lanner

Preliminary Specifications

Form Factor		Rackmount 3U
Platform	Processor Options	Intel® Xeon® processor E5-2600 series on LGA2011 (Sandy Bridge-EP or Ivy Bridge-EP)
	Chipset	Intel C604 Chipset
OS Support		Windows Server 2003, 2008, Linux Kernel 2.6 or above
BIOS		AMI BIOS 64Mb
System Memory	Technology	Quad-channel DDR3 1066/1333/1600 MHz (Registered or unbuffered, Ecc or non-ECC)
	Max. Capacity	512GB (Registered) or 128 GB (Unbuffered)
	Socket	16 x 240-pin DIMM
Storage	HDD Bays	12 x 3.5" HDD/SSD kit
	CF/SD	1 x CF card Type II ast
Networking	Ethernet Ports	1x RJ-45 with LED for IPMI Management / Mgmt
	Bypass	Depends on NIC module Bypass specification
	Controllers	Intel Ethernet Controller, depends on NIC module specification
	Ethernet Modules	Two
	Management Port	One, share with IPMI port
I/O Interface	Reset Button	Yes
	Console	1 x RJ45
	USB	2 x USB 2.0
	IPMI	OPMA socket to support IPMI (IAC-AST2300)
	Display	VGA support via optional IPMI
Expansion	PCIe	1 x PCI-E*8 full height PCI-E card in the front 1 x PCI-E*8 via riser card with I/O port in the rear
	PCI	N/A
Cooling	Processor	2 x CPU heatsink with fan duct
	System	3 x independent hot-swappable cooling Fans with smart fan control
Environmental Parameters	Temperature, ambient operating / storage	0 ~ 40° C / -20~70° C
	Humidity (RH), ambient operating and non-operating	5~95%, non-condensing
Miscellaneous	LCD Module	128 x 32 text LCM with keypad
	Watchdog	Yes
	Internal RTC with Li Battery	Yes
Physical Dimensions	Dimensions (WxHxD)	442 x 132 x 631 mm
	Weight	35 kg
Power	Type / Watts	800 W Redundant Power Supply Units
	Input	90~264V@47~63Hz
Approvals and Compliance		CE Class A, FCC Class A, RoHS

Ordering Information

FX-3411A	2 x Intel® Xeon® E5-2600 series (Sandy/Ivy-Bridge-EP) processor + 12 bays for 3.5" HDD with 2 Ethernet modules slot and one expansion slot in front, with CN1620
FX-3411B	2 x Intel® Xeon® E5-2600 series (Sandy/Ivy-Bridge-EP) processor + 12 bays for 3.5" HDD with 2 Ethernet modules slot and one expansion slot in front, without CN1620

Compatible NIC Modules

Slim Module	Ports	Chipset	Bypass
NCS2-IGM427A	4 GbE RJ45	Intel® Cave Creek	2 pairs Gen2
NCS2-IGM427B	4 GbE RJ45	Intel® Cave Creek	N/A
NCS2-ISM405A	4 GbE SFP Fiber	Intel® I350-AM4	2 pairs
NCS2-IGM428A	4 GbE RJ45	Intel® i350AM-4	2 pairs Gen3
NCS2-IGM428B	4 GbE RJ45	Intel® i350AM-4	N/A
NCS2-ISM406A	4 GbE SFP Fiber	Intel® I350-AM4	N/A
NCS2-ISM802A	8 GbE SFP Fiber	2 x Intel® I350-AM4	N/A
NCS2-ITM202A	2 10G RJ45	2 x Intel® X540	N/A
NCS2-IXM204A	2 10G SFP+ Fiber	Intel® 82599ES	N/A

Optional Accessories

Part Number	Description
IAC-AST2300	IPMI Card
IAC-MVGA02Z	OPMA VGA Card
AV-ICE01	VPN Acceleration Card with Intel® Cave Creek 8910

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