

Supermicro SuperServer SYS-F618H6-FTPT+ 4U FatTwin^2 DP 4x12LFF LSI 3008 RED PSU

Kod producenta: SYS-F618H6-FTPT+

Chassis Form Factor	Rack 4U
# of systems (nodes)	4
CPU Socket	LGA 2011 (Socket R3)
# of CPU sockets (per node)	2
Supported CPU's	Intel Xeon E5-2600v4 Intel Xeon E5-2600v3
Max CPU TDP	145 W
Chipset	Intel C612 Wellsburg
Memory Type	DDR4 ECC 3DS LRDIMM DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2400 MHz 2133 MHz 1866 MHz 1600 MHz
# of DIMM's (per node)	16
Max Memory Size (per node)	2048 GB
Integrated GPU	Aspeed AST2400
# of 3.5 fixed bays (per node)	12
# of PCIe x8 3.0 (per node)	2
# of USB Ports (per node)	2 x USB 3.0 (rear)
# of SATA Ports (per node)	10
Storage Controllers	6 x AHCI iSATA 6Gb/s 4 x sSATA 6Gb/s LSI 3008 12Gb/s
# of SAS Ports (per node)	8
Integrated RAID	0,1,5,10
Hardware RAID	0,1,10
# of Serial Ports (per node)	1 x Fast UART 16550 (header)
# of 10GbE Ports (per node)	2 x RJ45
Network Controllers	Intel x540 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI 2.0 KVM-over-LAN Virtual Media over LAN IPMI Dedicated RJ45 PHY
BMC chip	Aspeed AST2400
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	2000W
PSU Certification	80+ Titanium



Product SKUs
SYS-F618H6-FTPT+ • SuperServer F618H6-FTPT+

Motherboard

Super X10DRFF-CTG

Processor/Cache

- CPU • Intel® Xeon® processor E5-2600 v4[†]/ v3 family (up to 145W TDP) *
- Cores / Cache • Up to **22 Cores**[†] / Up to **55MB**[†] Cache
- System Bus • QPI up to 9.6 GT/s
- Note [†] BIOS version 2.0 or above is required
- Note * Please contact Supermicro Technical Support for additional information about frequency optimized CPUs and specialized system optimization.

System Memory

- Memory Capacity • 16x 288-pin DDR4 DIMM slots
• Up to 2TB[†] ECC 3DS LRDIMM, 1TB ECC RDIMM
- Memory Type • **2400**/2133/1866/1600MHz ECC DDR4 SDRAM 72-bit
- DIMM Sizes • RDIMM: 64GB, 32GB, 16GB, 8GB, 4GB
• LRDIMM: 64GB, 32GB
• 3DS LRDIMM: 128GB
- Memory Voltage • 1.2 V
- Error Detection • Corrects single-bit errors

On-Board Devices

- Chipset • Intel® C612 chipset
- SAS • SAS3 (12Gbps) via LSI 3008
- SATA • SW RAID 0, 1, 10 support
- IPMI • SATA3 (6Gbps) with RAID 0, 1, 5, 10
• Support for Intelligent Platform Management Interface v.2.0
• IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
• ASPEED AST2400 BMC
• Intel® X540 Dual Port 10GBase-T
• Virtual Machine Device Queues reduce I/O overhead
- Network Controllers • Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
• 1 Realtek RTL8211E PHY (dedicated IPMI)
- Graphics • ASPEED AST2400 BMC

Input / Output (per node)

- SAS • 8 SAS3 (12Gbps) ports
- SATA • 10 SATA3 (6Gbps) ports
- LAN • 2 RJ45 10GBase-T ports
• 1 RJ45 Dedicated IPMI LAN port
- USB • 2 USB 3.0 ports
- VGA • 1 VGA connector

Chassis

- Form Factor • 4U Rackmount
- Model • **CSE-F414IS3-R2K04BP**

Dimensions

- Width • 17.63" (448mm)
- Height • 6.96" (177mm)
- Depth • 35" (889mm)
- Package • 25.6" (W) x 11.8" (H) x 48.0" (D)
- Weight • Net Weight: 200 lbs (90.72 kg)
• Gross Weight: 240 lbs (108.86 kg)
- Available Colors • Black

Front Panel

- Buttons • Power On/Off button
• UID button
- LEDs • Power status LED
• 2 Network activity LEDs

Expansion Slots (per node)

- PCI-Express • 2 PCI-E 3.0 x8 Low-profile via riser card

Drive Bays (per node)

- Fixed • 8 Fixed 3.5" SAS3/SATA3 + 4 Fixed 3.5" SATA drive bays
• Optional 2.5" drives mounted in PCI-E slot

System Cooling

- Fans • 8x 8cm heavy duty fans and PWM fan speed control

Power Supply (76mm Width)

2000W Redundant Power Supplies with PMBus

- Total Output • 1000W/2000W
- Power

- Dimension (W x H x L) • 76 x 40.4 x 336 mm

- Input • 100-127 Vac / 12-9.5 A / 50-60 Hz
• 200-220 Vac / 10-9.5 A / 50-60 Hz
• 220-230 Vac / 10-9.8 A / 50-60 Hz
• 230-240 Vac / 10-9.8 A / 50-60 Hz
• 200-240 Vac / 11.8-10 A / 50-60 Hz (UL/cUL only)

- +12V • Max: 83.3A & Min: 0A (100-127 Vac)
• Max: 150A & Min: 0A (200-220 Vac)
• Max: 165A & Min: 0A (220-230 Vac)
• Max: 166.7A & Min: 0A (230-240 Vac)
• Max: 166.7A & Min: 0A (200-240 Vac)(UL/cUL only)

- +5Vsb • Max: 1A / Min: 0A

- Output Type • 27 Pairs Gold Finger Connector



- Certification UL/cUL/CB/BSMI/CE/CCC
- Titanium Level**
- [[Test Report](#)]

System BIOS

- BIOS Type • 128Mb SPI Flash EEPROM with AMI BIOS
- BIOS Features • Plug and Play (PnP)
• APM 1.2
• PCI 2.2
• ACPI 1.0 / 2.0
• USB Keyboard support
• SMBIOS 2.3
• UEFI

Operating Environment / Compliance

- RoHS • RoHS Compliant
- Environmental Spec. • Operating Temperature: 10°C to 35°C (50°F to 95°F)
• Non-operating Temperature: -40°C to 70°C (-40°F to 158°F)
• Operating Relative Humidity: 8% to 90% (non-condensing)
• Non-operating Relative Humidity: 5% to 93% (non-condensing)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superserver-sys-f618h6-ftpt-4u-fattwin2-dp-4x12lff-lsi-3008-red-psu-p-2806.html>