

# Supermicro SuperWorkstation SYS-7049GP-TRT Tower 4U DP 4xGPU 8xLFF RED PSU

Kod producenta: SYS-7049GP-TRT



Chassis Form Factor	Tower/4U
CPU Socket	LGA 3647 (Socket P)
# of CPU sockets	2
Supported CPU's	Intel Xeon Scalable 1st Gen Intel Xeon Scalable 2nd Gen
Max CPU TDP	205 W
Chipset	Intel C621
Memory Type	DDR4 ECC LRDIMM DDR4 ECC RDIMM
Memory Speed	2666 MHz 2400 MHz 2133 MHz
# of DIMM's	16
Max Memory Size	2048 GB
Integrated GPU	Aspeed AST2500
Hardware GPU	Please refer to: Compatible GPU list
# of 3.5 hot-swap bays	8
# of PCIe x16 3.0	6
# of USB Ports	2 x USB 3.0 (rear) 2 x USB 3.0 (header) 1 x USB 3.0 Type A 2 x USB 2.0 (rear) 2 x USB 2.0 (header)
# of SATA Ports	10
Storage Controllers	8 x AHCI iSATA 6Gb/s 2 x sSATA 6Gb/s
Integrated RAID	0,1,5,10
# of Serial Ports	1 x Fast UART 16550 (rear) 1 x Fast UART 16550 (header)
# of 10GbE Ports	2 x RJ45
Network Controllers	Intel x550 Dual Port 10 Gigabit Base-T
Integrated BMC	IPMI Dedicated RJ45
BMC chip	Aspeed AST2500
TPM	1 x TPM 1.2 20-pin Header
Power Supply	Redundant
PSU Wattage	2200 W
PSU Certification	80+ Titanium
Chassis Dimensions	462 x 178 x 673 mm

## **UWAGA !!!**

*Oferowany produkt to platforma serwerowa służąca do budowy swojej własnej konfiguracji serwera (nie zawiera CPU, RAM czy HDD).*

*Jeżeli potrzebujesz kupić gotowy serwer wraz z CPU, RAM, HDD/SDD oraz innymi opcjami koniecznie wyślij do nas zapytanie. Posiadamy najlepsze ceny i dostępność na pełne konfiguracje. Zapewniamy pełne wsparcie techniczne do zakupionych u nas serwerów.*

## Product SKUs

SYS-7049GP-TRT • SuperServer 7049GP-TRT (Black)

## Motherboard

### Super X11DPG-QT

#### Processor/Cache

- CPU
  - Dual Socket P (LGA 3647)
  - Intel® Xeon® Scalable Processors, 3 UPI up to 10.4GT/s
  - Support CPU TDP 70-205W
- Cores
  - Up to 28 Cores with Intel® HT Technology
- GPU Support
  - Please refer to: [Compatible GPU list](#)

#### System Memory

- Memory Capacity
  - 16 DIMM slots
  - Up to 2TB ECC 3DS LRDIMM, 1TB ECC RDIMM, DDR4 up to 2666MHz
- Memory Type
  - 2666/2400/2133MHz ECC DDR4 SDRAM

#### On-Board Devices

- Chipset
  - Intel® C621 chipset
- SATA
  - SATA3 (6Gbps); RAID 0, 1, 5, 10
  - Intel® X550 Dual Port 10GBase-T
  - Virtual Machine Device Queues reduce I/O overhead
  - Supports 10GBASE-T, 100BASE-TX, and 1000BASE-T, RJ45 output
  - Support for Intelligent Platform Management Interface v.2.0
- Network Controllers
  - IPMI 2.0 with virtual media over LAN and KVM-over-LAN support
  - ASPEED AST2500 BMC
- IPMI
- Graphics

#### Input / Output

- SATA
  - 10 SATA3 (6Gbps) ports
  - 2 RJ45 10GBase-T ports
- LAN
  - 1 RJ45 Dedicated IPMI LAN port
- USB
  - 5 USB 3.0 ports (2 rear, 2 via header, 1 Type A)
  - 4 USB 2.0 ports (2 rear, 2 via headers)
- Video
  - 1 VGA port
- Serial Port/Header
  - 2 COM ports (1 rear, 1 Header)

#### System BIOS

- BIOS Type
  - AMI 32Mb SPI Flash ROM

#### Management

- Software
  - Intel® Node Manager
  - IPMI 2.0
  - SSM, SPM, SUM
  - SuperDoctor® 5

#### PC Health Monitoring

- CPU
  - Monitors for CPU Cores, Chipset Voltages, Memory.
  - 4+1 Phase-switching voltage regulator
- FAN
  - Fans with tachometer monitoring
  - Status monitor for speed control
  - Pulse Width Modulated (PWM) fan connectors
- Temperature
  - Monitoring for CPU and chassis environment
  - Thermal Control for fan connectors

## Chassis

- Form Factor
  - 4U Rackmountable / Tower
  - Optional Rackmount Kit
- Model
  - CSE-747BTS-R2K20BP

#### Dimensions and Weight

- Height
  - 18.2" (462mm)
- Width
  - 7.0" (178mm)
- Depth
  - 26.5" (673mm)
- Package
  - 27" (H) x 13" (W) x 38" (D)
- Weight
  - Net Weight: 46 lbs (20.9 kg)
  - Gross Weight: 62 lbs (28.1 kg)
- Available Colors
  - Dark Gray

#### Front Panel

- Buttons
  - Power On/Off button
  - System Reset button
  - Power status LED
  - Hard drive activity LED
  - Network activity LEDs
  - System Overheat & Power Fail LED
- LEDs
- Ports
  - 2 Front USB 3.0 Ports

#### Expansion Slots

- PCI-Express
  - 4 PCI-E 3.0 x16 (double-width) slots
  - 2 PCI-E 3.0 x16 (single-width) slots
  - 1 PCI-E 3.0 x4 (in x8 slot)
- M.2
  - M.2 Interface: PCI-E 3.0 x4
  - Form Factor: 2280, 22110

#### Drive Bays

- Hot-swap
  - 8 Hot-swap 3.5" drive bays

#### System Cooling

- Fans
  - 4 Heavy duty fans
  - 2 Rear exhaust fans
  - 2 Optional Rear fans (required for Passive GPUs)
- Heatsink
  - 2 Active heatsink with optimal fan speed control

#### Power Supply

2200W Redundant Power Supplies with PMBus

- Total Output Power and Input
  - 1200W with Input 100-127Vac
  - 1800W with Input 200-220Vac
  - 1980W with Input 220-230Vac
  - 2090W with Input 230-240Vac
  - 2200W with Input 220-240Vac (for UL/cUL use only)
  - 2090W with Input 230-240Vdc (for CCC only)

#### AC Input

- Frequency
  - 50-60Hz
- Dimension (W x H x L)
  - 76 x 40 x 336 mm

- +12V
  - Max: 100A / Min: 0A (100-127Vac)
  - Max: 150A / Min: 0A (200-220Vac)
  - Max: 165A / Min: 0A (220-230Vac)
- 5VSB
  - Max: 174.17A / Min: 0A (230-240Vac)
  - Max: 183.3A / Min: 0A (220-240Vac)
- Output Type
  - Max: 1A / Min: 0A
  - Backplanes (gold finger)



Certification UL/cUL/CB/BSMI/CE/CCC

**Titanium Level**  
[ Cert. in progress ]

#### Operating Environment

- RoHS
  - RoHS Compliant
- Environmental Spec.
  - Operating Temperature:
    - 10°C ~ 35°C (50°F ~ 95°F)
  - Non-operating Temperature:
    - 40°C to 60°C (-40°F to 140°F)
  - Operating Relative Humidity:
    - 8% to 90% (non-condensing)
  - Non-operating Relative Humidity:
    - 5% to 95% (non-condensing)

Strona firmowa produktu:

<https://www.superstorage.pl/supermicro-superworkstation-sys-7049gp-trt-tower-4u-dp-4xgpu-8x1ff-red-p-su-p-3772.html>