

SuperChassis 733TQ-668B



► **Chassis Manual**
► **Optimization**

Key Features

1. 4x 3.5" SAS/SATA Backplane for Hot-Swappable Drives (Support SGPIO)
 2. Front HDD Door Lock
 3. Front I/O Ports: 2x USB 2.0
 4. 1x 12cm Rear (4000 rpm) PWM Fan & 1x 9cm Front (4200 rpm) PWM Fan
 5. Mid-Tower Chassis Supports max. Motherboard, Sizes □ E-ATX 12" x 13"/ATX/Micro ATX
 6. 668W **Platinum Level** Certified High-Efficiency Power Supply
 7. 2x 5.25" External HDD Drive Bays & 4x 3.5" HDD Drive Bays
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Note: Image above may show a varied configuration of optional parts.
Please refer to parts list for standard parts included.

Specifications

Product SKUs

- **CSE-733TQ-668B**
- SuperChassis 733TQ-668B

Form Factor

- Mid-tower chassis - supports for maximum motherboard sizes: 12" x 13" E-ATX and ATX

Processor Support

- Dual and Single Intel® and AMD processors

Dimensions

- | | |
|------------------------------|--|
| Height | ■ 16.8" (426 mm) |
| Width | ■ 7" (178 mm) |
| Depth | ■ 20.9" (531 mm) |
| Net Weight | ■ 38 lbs (17.24 kg) |
| Gross Weight | ■ 40 lbs (18.14 kg) |
| Packaging (W x H x L) | ■ 24.2" (615 mm) x 11.8" (300 mm) x 26.4" (671 mm) |
| Available Color | ■ Black |

Expansion Slots

- 7 full-height & full-length expansion slot(s)

Drive Bays

- 4 x 3.5" hot-swap SAS/SATA drive bay with SGPIO

Backplane

- 4x3.5" SAS2/SATA3 backplane w/SES-II

Peripheral Drives

- 2 x standard 5.25" drive bay
- 1 x 3.5" internal fixed drive bay

Front Panel

- | | |
|----------------|---|
| Buttons | ■ Power On/Off button
■ System Reset Button |
| LEDs | ■ 1 Network Activity LEDs
■ HDD activity LED
■ Power LED
■ System Overheat LED |
| Ports | ■ 2x USB 2.0 Port(s) |

Systems Cooling

- | | |
|-------------|---|
| Fans | ■ 1 x 12cm rear exhaust fan(s)
■ 1 x 9cm hot-swap cooling fan(s) |
|-------------|---|


Operating Environment (System)

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|--|--------------------------------|
| Operating Temperature Range | ■ 5°C - 35°C (41°F - 95°F) |
| Non-Operating Temperature Range | ■ -40°C - 70°C (-40°F - 158°F) |
| Operating Relative Humidity Range | ■ 8% - 90% (non-condensing) |
| Non-Operating Relative Humidity Range | ■ 5% - 95% (non-condensing) |

Power Supply

PS2 668W Multi-output power supply 80PLUS Platinum

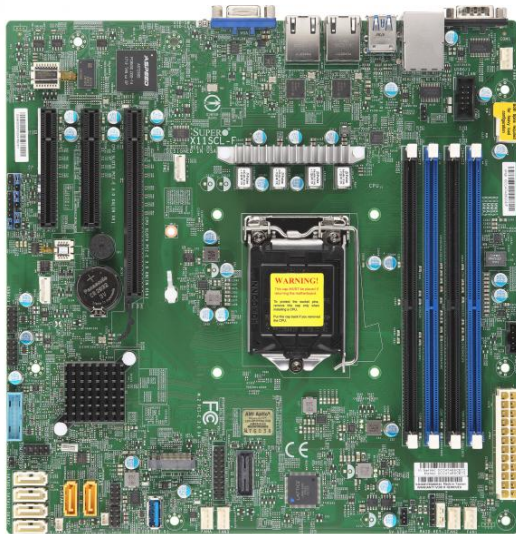
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|-------------------------------------|--|
| Power Efficiency | ■ 92% |
| Total Output Power and Input | ■ 668W with Input 100 - 240Vac |
| AC Input Frequency | ■ 50-60Hz |
| Dimensions (L x W x H) | ■ 185 x 150 x 86 mm |
| Output Type | ■ 24pin ATX |
| -12V | ■ Max: 0.1A / Min: 0A |
| +12V | ■ Max: 54A / Min: 0.2A (100Vac - 240Vac) |
| +5V | ■ Max: 20A / Min: 0.1A |
| +3.3V | ■ Max: 15A / Min: 0.1A |
| +5Vsb | ■ Max: 2A / Min: 0A |

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|----------------------|---|
| Certification | ■  Platinum Certified |
|----------------------|---|

Regulatory (Power Supply)

- | | |
|----------------------------------|--|
| Power Supply Safety / EMC | ■ BSMI
■ CCC
■ CE/EMC
■ FCC class B
■ TUV/CB
■ UL/CUL |
|----------------------------------|--|

X11SCL-F



Key Features

1. 8th/9th Generation Intel® Core™ i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor., Single Socket LGA-1151 (Socket H4) supported, CPU TDP support Up to 95W TDP
2. Intel® C242 chipset
3. Up to 128GB DDR4 2666MHz ECC UDIMM; 4 DIMM slots
4. Expansion slots:
1 PCI-E 3.0 x8 (in x16),
2 PCI-E 3.0 x4 (in x8)
5. Dual GbE LAN with Intel® i210-AT
6. 6 SATA3 (6Gbps) ports;
RAID 0, 1, 5, 10
7. M.2 NGFF connector
8. M.2 Interface: 1 PCI-E 3.0 x4
Form Factor: 2280/22110
Key: M-Key
Double Height Connector
9. I/O: 1 VGA, 2 COM, 2 SuperDOM, and TPM header

Links & Resources

[Tested Memory List](#)

[Tested HDD / SSD List](#)

[Tested M.2 List](#)

[Tested AOC List](#)

[Motherboard Manual](#)

[Quick Reference Guide](#)

[Update Your BIOS](#)

[BMC/IPMI Firmware](#)

[Download the Latest Drivers and Utilities](#)

[Download Driver CD](#)

[OS Compatibility](#)

[Optimization](#)

Specifications

Product SKUs

MBD-X11SCL-F	■ X11SCL-F
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Physical Stats

Form Factor	■ microATX
Dimensions	■ 9.6" x 9.6" (24.38cm x 24.38cm)

Processor/Cache

CPU	■ 8th/9th Generation Intel® Core® i3/Pentium®/Celeron® Processor, Intel® Xeon® E-2100 Processor, Intel® Xeon® E-2200 Processor. ■ Single Socket LGA-1151 (Socket H4) supported, CPU TDP support Up to 95W TDP
Cores / Cache	■ 6 cores, 12 threads
Note	■ BIOS version 1.0b or above is required to support Intel® Xeon® E-2200 and 9th Generation Intel® Core® i3/Pentium®/Celeron® Processors

System Memory

Memory Capacity	■ Up to 128GB Unbuffered ECC UDIMM, DDR4-2666MHz, in 4 DIMM slots
Memory Type	■ 2667/2400/2133MHz ECC DDR4 SDRAM 72-bit
DIMM Sizes	■ 4GB, 8GB, 16GB, 32GB
Memory Voltage	■ 1.2V
Error Detection	■ Corrects single-bit errors

On-Board Devices

Chipset	■ Intel® C242
SATA	■ Intel® C242 controller for 6 SATA3 (6 Gbps) ports; RAID 0,1,5,10
IPMI	■ ASPEED AST2500
Network Controllers	■ Dual LAN with 1GbE with Intel® I210
Graphics	■ Aspeed AST2500 BMC

Input / Output

USB	■ 6 USB 2.0 ports (2 rear + 4 via headers) ■ 5 USB 3.1 Gen1 ports (2 Rears Type A, 2 via headers, 1 Type A)
Video Output	■ 1 VGA port
Serial Port / Header	■ 2 COM Ports (1 rear, 1 header)
TPM	■ 1 TPM Header

Expansion Slots

PCI-E	■ 1 PCI-E 3.0 x8 (in x16 slot), ■ 2 PCI-E 3.0 x4 (in x8 slot)
M.2	■ M.2 Interface: 1 PCI-E 3.0 x4 ■ Form Factor: 2280/22110 ■ Key: M-Key ■ Double Height Connector

System BIOS

BIOS Type	■ UEFI 256Mb
BIOS Features	■ ACPI 6.0 ■ SMBIOS 2.7 ■ Plug and Play (PnP) ■ RTC (Real Time Clock) Wakeup ■ UEFI 2.7 ■ USB Keyboard support ■ PCI 3.0

Management

Software	■ IPMI2.0, KVM with dedicated LAN, SSM, SUM, SuperDoctor® 5
Power Configurations	■ ACPI Power Management ■ Power-on mode for AC power recovery

PC Health Monitoring

Voltage	■ +12V, +3.3V, +5V, +5V standby, 5 -fan status, Chassis intrusion header, Chipset Voltage, Memory Voltages, Monitors CPU voltages, Supports system management utility, System level control, VBAT
FAN	■ 5x 4-pin fan headers (up to 5 fans), 5 fans with tachometer status monitoring, Overheat LED indication, PWM fan speed control, Thermal control tachometer fan connectors
Temperature	■ Thermal Monitor 2 (TM2) support, CPU thermal trip support, PECI, Monitoring for CPU and chassis environment
LED	■ CPU / System Overheat LED, UID/Remote UID
Other Features	■ ACPI power management, Chassis intrusion detection, Chassis intrusion header, Control of power-on for recovery from AC power loss, CPU thermal trip support for processor protection, Dual Cooling Zones, M.2 NGFF connector, UID, WOL

Operating Environment

Operating Temperature Range	■ 0°C ~ 50°C (32°F ~ 122°F)
Non-Operating Temperature Range	■ -40°C - 70°C (-40°F - 158°F)
Operating Relative Humidity Range	■ 8% - 90% (non-condensing)

Non- Operating Relative Humidity Range	■ 5% - 95% (non-condensing)
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