Data Sheet
Fujitsu ATX Mainboard D3348-B
Extended Lifecycle Series

Powered by the Intel® C612 series chipset, quad channel DDR4 2133 SDRAM memory (ECC support) and Intel® Xeon® / Intel® Core™ i7 processors (LGA2011-R3)
Designed & approved for 24/7 continuous operation

Chipset:
Intel® C612 Chipset

Processors:
Intel® Xeon® Processor E5-26xx (V3) series
Intel® Xeon® Processor E5-16xx (V3) series
Intel® Core™ i7 Processor 58xx / 59xx series
Compatible with Intel® processors LGA2011-R3 (up to 160W TDP)

Memory:
DDR4 2133 SDRAM (quad channel)
RDIMM / LRDIMM with ECC Support
(memory speed and ECC depends on processor)
Up to 256GB memory

Product Features:
2 x PCIe x16 – generation 3 onboard
5.1 multichannel audio onboard
USB 2.0 and USB 3.0 onboard
Dual Intel GbE LAN supporting iAMT 9.1 / vPro
10 x Serial ATA III incl. RAID onboard
Trusted Platform Modul (Infineon) V1.2 onboard
BIOS-POST/-Boot & OS - HW Watchdog onboard
Support for M.2 SSD modules via D3352 carrier board
Features and benefits

**Board Size**
ATX: 12” x 9.6” (305 x 244 mm)

**Chipset**
Intel® “Wellsburg” G912 Series Chipset

**Memory**
8 DIMM Sockets DDR4, max. 256GB, Single / Dual / Triple / Quad Channel, 2133MHz (Q15), single- / dual- / quad-rank RDIMM or LRDIMM, 1.2V / 2.5V, 288-pin, ECC / non-ECC support.

Effective memory speed and ECC depends on installed processor

**Processors**
Intel® Xeon® processor E5-16xx / 59xx series
Intel® Core™ i7 Processor 58xx / 59xx series

**LAN**
LAN2   LAN1 (iAMT)

**External Connectors**
12V and 3.3V Supply Voltage on PCIe Slots
- Power Supply Requirements
- 24 Pin Power Connector + 8 Pin (12V) Power Connector required
- Support for Soft-Off Power Supplies
- 12V and 3.3V Supply Voltage on PCIe Slots (Wake-Up Function)
- On board CPU Voltage Regulator, 5V / 2A Auxiliary Power
- Power Specification

**Common Features**
- Intel® i217LM / Intel i210AT Ethernet Controller with 10/100/1000 Mbit/s, iAMT, Wake-on-LAN (WoL) by interesting Packets, Link Status Change and Magic Packet™, PXE Support, BIOS MACAddress Display, Teaming Support
- Drives
- 10 x SATA III 600 Interfaces (up to 6GBit/s, NQO); AHCl; RAID 0, 1, 5, 10
- **Special Features**
  - Silent Fan
  - Independent temperature related processor fan and system fan supervision and control
  - System Guard
  - View and adjust Silent Fan features
  - Silent Drives
  - Noise reduction for optical and hard disk drives
  - Recovery BIOS
  - Restores a corrupted BIOS
  - Desk Update
  - Easy driver update with Drivers&Utilities DVD
  - Multi Boot
  - Comfortable boot from any boot device
  - HDD Password
  - Access protection for disk drives
  - 24/7 Operation
  - Mainboard is designed for continuous operation
  - Boot Watchdog
  - Full supervision of BIOS POST and Boot sequence

**Source**
- +12 V CPU (rail 1)
- +12 V CPU (rail 3)
- -12 V (rail 1)
- -12 V (rail 3)
- +5 V (rail 1)
- +3.3 V (rail 1)
- +5Vaux (rail 1)

**Load**
- +12 V CPU (rail 1)
- +12 V CPU (rail 3)
- -12 V (rail 1)
- -12 V (rail 3)
- +5 V (rail 1)
- +3.3 V (rail 1)
- +5Vaux (rail 1)

**Max Voltage Tolerance**
- ±5 %
- ±10 %
- ±15 %
- ±20 %

**Mainboard Capacitive Load**
- 1.000 µF
- 2.000 µF
- 2.200 µF

**Mainboard Max. Current**
- ~16 A
- ~19 A
- ~25 A
- ~21 A
- ~2 A

**D3348-B**
- Board Size / Chipset
- Stereo Audio / 5.1 Multichannel Audio
- Buzzer / int. Speaker Support
- Dual LAN Gbit / 100 Mbit / 10 Mbit
- LAN ASF 2.0 / DASH 1.1 / AoL / Boot / iAMT9.1 / vPro
- SATX / ATX / RAID / eSAT Support
- FireWire™ / USB 2.0 / USB 3.0
- FAN monitored PSI / CPU / AUX1 / AUX2 / AUX3
- FAN controlled PSI / CPU / AUX1 / AUX2 / AUX3
- TEMP monitored CPU / Onboard Sensors
- **Special Features**
  - Silent Fan / Silent Fan LT
  - System Guard / Silent Drives
  - Recovery BIOS / Desk Update / Multi Boot
  - HDD Password / USB Security / EraseDisk
  - Logo Boot Option / Intel On Screen Branding
  - BIOS POST / BIOS Boot: / OS / HW Watchdog
  - Operating Mode 24-7 / 8-5 (hrs per day - days per week)
  - Mainboard operating temperature range (chassis inside)
  - Support for M.2 SSD module (via M.2 carrier board D3352)

**External Connectors**
- LAN2
- LAN1 (iAMT)
- PS/2
- USB 2.0
- USB 3.0
- Audio
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With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

Computing products

- PRIMERGY: Industrial standard server
- SPARC Enterprise: UNIX server
- PRIMEQUEST: Mission-critical IA server
- ETERNUS: Storage system

Software

- Interstage: Application infrastructure software
- Systemwalker: System management software

Learn more about Fujitsu Mainboards, please contact your Fujitsu sales representative, Fujitsu business partner, or visit our website.

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