

# Data Sheet

## FUJITSU Mainboard D3646-S ATX

### Industrial Series

Powered by the Intel® C246 Express Chipset supporting DDR4-2666 SDRAM Memory and Intel® XEON® / Intel® 8<sup>th</sup> generation Core™ i7 / i5 / i3 Processors.  
Designed & approved for enhanced operating temperature range from 0°C to 60°C  
Designed and approved for 24/7 continuous operation



#### Chipset:

Intel® C246 Express Chipset

#### Processors:

Intel® XEON® E-21xx processor series  
Intel® Core™ i7 / i5 / i3 (8<sup>th</sup> gen.) processor series  
Intel® Pentium® / Intel® Celeron® processor series  
Socket LGA1151 – up to 95W TDP

#### Memory:

DDR4-2666, Dual Channel, ECC support  
4 DIMM sockets, up to 64GB memory

#### Product Features:

Supporting Intel AMT 12.0 / vPro  
PCI Express x16 (Gen.3) & 2 x PCI (32Bit/33MHz Rev. 2.3)  
2x Intel® GbE LAN (incl. Teaming)  
Intel® UHD Graphics (DX12)  
1x DVI-D, 2x DP V1.2  
Intel® High Definition 5.1 Audio; Infineon TPM V2.0  
8 Bit GPIO; 4 x COM ports, HW watchdog  
6x USB 2.0, 4x USB 3.1 Gen1, 2x USB 3.1 Gen2, 1 x USB 3.1 Gen2 stick socket  
6x SATA 6G/s incl. RAID support, parallel port (internal pin header)  
M.2 2280 (PCIe-based SSD modules)  
M.2 2230 (WLAN/Bluetooth modules)  
BIOS-POST/-Boot & OS – HW Watchdog onboard



## External Connectors



## Connector / Socket Diagram

