

FX **fanless** series



FX5642S2 Intel® 6th Gen Core™ i5/Celeron Small System

With VGA/DP/HDMI, 6S, 2Giga-LAN, 7USB, GPIO, Audio and mini-Card Socket

Features



- Fanless and low power consumption design
- Intel® 6th Gen Core™ i5-6500TE/Celeron G3900TE CPU (2.3G/2.3GHz, 6M/3M Smart Cache Inside) and System Chipset
- 2 So-DIMM socket Supports Up to 16GB DDR4 RAM
- 2 PCIe Giga LAN
- 4 USB V3.0 Ports and 3 USB V2.0 Ports
- Support High Definition Audio
- Support 2- Isolated in and 2- Isolated out I/O
- 2 2.5" SATA HDD Space
- 2 RS232 and 4 RS232/422/485 ports
- Support Expansion I/F: 2 PCIe Mini Card and 2 Free PCI(e) Slot

Specifications

CPU Board: Intel® Celeron-G3900TE(2.3GHz) CPU Board with 4GB DD4 RAM
Intel® i5-6500TE(2.3GHz) CPU Board with 8GB DD4 RAM

I/O Outlets: 1 VGA (CRT) DB15 Connector
1 DP Port and 1 HDMI Display
2 RJ45 connectors (Intel i210 PCIe Chipset)
4 USB V3.0 Ports and 3 USB V2.0 Ports
2 RS232 and 4 RS232/422/485 connectors
3 Audio connectors (Mic-In, Line-In & Earphone-Out)
1 I/O connector (2 Isolated In/2 Isolated Out)
1 DC terminal block with 4-Pin connectors

Expansion I/F: 2 PCIe Mini Card for Wireless/GPRS module
2 PCI or 2 PCIe(x1) or 1 PCIe Slot (x16) Rise Card (Option)

Storage Bay: 2 2.5" SATA HDD space
1 m-SATA socket

Power Req.: DC 12V~24V Input, 60/88VA minimum
LED Indicators: 1 Power LED (Power Button), 1 HDD LED, 2 LAN LEDs

Dimensions (W*D*H): 210 x 252 x 120.2 mm

Operating Temp.: FX5642S2C -20°C ~ 60°C (-4°F ~ 140°F)
FX5642S25 -20 °C ~ 50 °C (-4°F ~ 122°F)

Compliances: CE · FCC · RoHS

Accessory: 1 4-Pin, pitch 5.08mm terminal block for DC Power Input
1 6-pin, pitch 3.5mm terminal block for digital I/Os
1 pack of 12 screws (6+4+2) for Mini Card/2.5" HDD/Riser Card installation
2 SATA cables (signal and power cable)



Optional Items

- FX5636K1 – Wall Mount Kit (P/N:0606010027G)
- AK1006 – Half Size Mini PCIe Module Adapter Kit (P/N:0606010028G)
- FB4764 – 2 PCI Slot Riser Card(P/N:0103010011G)
- FB4767 – 1 PCIe (x16) Riser Card(P/N:0120010006G)
- FB4769 – 2 PCIe (x1) Riser Card(P/N:0103010010G)



FabiaTech Corp.

TEL:886-2-22789586 FAX:886-2-22789575
7F-8, No.6, Lane 609, Chung-Hsin Rd., Sec.5, San-Chung District, New Taipei City, Taiwan, R.O.C.

www.fabiatech.com

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Order Information

Model	Description	Verified OS
FX5642S2C	Intel C-G3900TE Small System w/4GB DDR4 RAM, 6S, VGA/DP/HDMI, 2Giga-LAN, 7USB, Audio, GPIO, 2 free slot and Mini-Card Socket	Windows 7 /8.1 (32/64), WES7, WIN10 IoT AND Linux
FX5642S25	Intel i5-6500TE Small System w/8GB, 6S, VGA/DP/HDMI, 2Giga-LAN, 7USB, Audio, GPIO, 2 free slot and Mini-Card Socket	



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