



## FX5642S0 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

### 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 port  
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 connector and 1 terminal block 3-Pin connectors

**Expansion I/F:** 2 PCIe Mini Card for Wireless/GPRS module  
2 PCI or 2 PCIe(x8) or 1 PCIe Slot (x16) (Option)

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

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

**Dimensions (W\*D\*H):** 210 x 252.0 x 77.2 mm

**Operating Temp.:** FX5642S0C -20°C ~ 60°C (-4°F ~ 140°F)  
FX5642S05 -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)



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### FX fanless series



### Order Information

Model	Description	Verified OS
<b>FX5642S0C</b>	Intel C-G3900TE Small System w/4GB DDR4 RAM, 6S, VGA/DP/HDMI, 2Giga-LAN, 7USB, GPIO, Audio and Mini-Card Socket	Windows 7 /8.1 (32/64),WES7,WIN10 IoT AND Linux
<b>FX5642S05</b>	Intel i5-6500TE Small System w/8GB DDR4 RAM, 6S, VGA/DP/HDMI, 2Giga-LAN, 7USB, GPIO, Audio and Mini-Card Socket	



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