

Embedded Systems ST100 Series

Embedded System with
Industrial Mini-ITX MotherBoard



SYSTEM SPECIFICATIONS

CHASSIS

- Dimensions (L x W x H) : 219 mm x 226.3 mm x 70.1 mm
- Mounting : Desk or Wall-Mounting
- Color : Black
- Construction : Aluminum
- Net Weight : 1.8 kg

DRIVE BAY

- Two for Slim 2.5" HDD & Slim DVD-ROM Combo

SYSTEM FAN

- Available for ST100-MB06C, ST100-MS12, and ST100-G5C
- One system blower
- One CPU cooler for ST100-MS12, ST100-G5C

LED

- Power and HDD Status
- 2 x LED for LAN

POWER ADAPTER

ST100-MS12 , ST100-MB06C

- AC Input : 100 ~240 V; 1.6A, 50 / 60 Hz;
- DC Output : 12 V / 5A (60W)

ST100-G5C

- AC Input : 100 ~240 V; 2A, 50 / 60 Hz;
- DC Output : 19 V / 6.32A (120W)

OPERATING TEMPERATURE

- 0 to 45 °C under 10-90%RH

STORAGE TEMPERATURE

- -20 to 70 °C under 5-95%RH

EMC/SAFETY

- FCC class B , CE , UL , CUL

Features and Benefits

- Rugged mechanical design and easy to install
- 3 optional main-boards with 2 grades of mobile processors bundled and 1 optional
- 2 Front USB ports accessible and LED indicators
- 2 drive bays for Slim HDD and Slim DVD-ROM Combo
- Low-Power consumption
- Core 2 Duo mobile Mini-ITX solution: ST100-G5C

SYSTEM MODELS

• ST100-MB06C



G5M151-B06C industrial main board inside, Intel® ULV Celeron-M 600MHz CPU onboard 512K cache, Intel® 852GM / ICH4 chipset, mini-ITX, with CPU Heat Sink.

• ST100-MS12



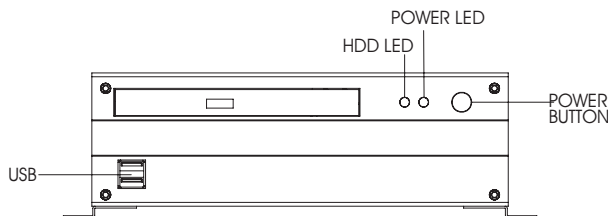
G4M100-MS12 industrial main board inside, Mobile Intel® Celeron 1.2GHz PGA type, Intel® 852GM / ICH4 chipset, mini-ITX, the cooler of heat sink & 12V 2-ball fan.

• ST100-G5C

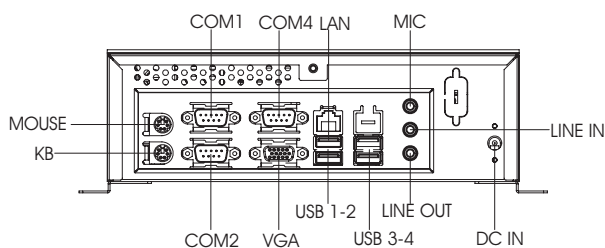


G5C100-N industrial main board inside, Support Intel® Core 2 Duo / Core Duo / Solo / Celeron M, Intel® 945GME / ICH7M chipset mini-ITX, the cooler of heat sink & 12V 2-ball fan.

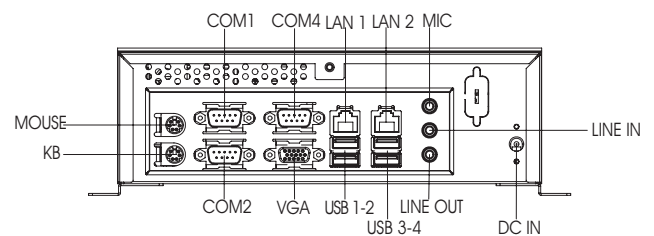
FRONT PANEL EXTERNAL I/O - All Models



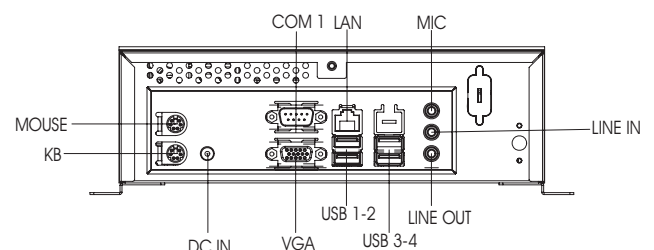
ST100-MS12



ST100-G5C



ST100-MB06C



Packing List

- 1 x ST100 Unit
- 1 x Power Adapter 60W* (ST100-MS12, ST100-MB06C)
- 1 x Power Adapter 120W* (ST100-G5C)
- 1 x Utility Manual CD
- 1 x Installation Guide
- 1 x IDE-40 pins cable
- 1 x IDE-44 pins cable (ST100-MS12, ST100-MB06C)
- 1 x ST100 chassis parts kit
- 2 x L-Shaped Bracket for mounting
- 1 x SATA Cable (ST100-MS12, ST100-G5C)
- 1 x SATA-Power Cable (ST100-MS12, ST100-G5C)

* The power cord cable is ordered separately, according to the different areas requirements.

ORDERING INFORMATION

- **ST100-MB06C** 750-ST1002-000G ST100 Embedded System with mainboard G5M151-B06C, ULV Intel® Celeron-M 600MHz on board, Intel® 852GM/ICH4, with CPU Heat Sink 6 x USB, 1 x COM
- **ST100-MS12** 750-ST1001-000G ST100 Embedded System with mainboard G4M100-MS12, Mobile Intel® Celeron 1.2GHz PGA, 852GM / ICH4 Embedded System, The cooler of heat sink and 12V, 2 - ball fan 6 x USB, 3 x COM
- **ST100-G5C** 750-ST1004-000G ST100 Embedded System with mainboard G5C100-N, Support Intel® Core 2 Duo / Solo / Celeron M, 945GME / ICH7M, The cooler of heat sink and 12V 2-ball fan, 6 x USB, 3 x COM

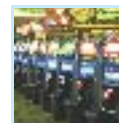
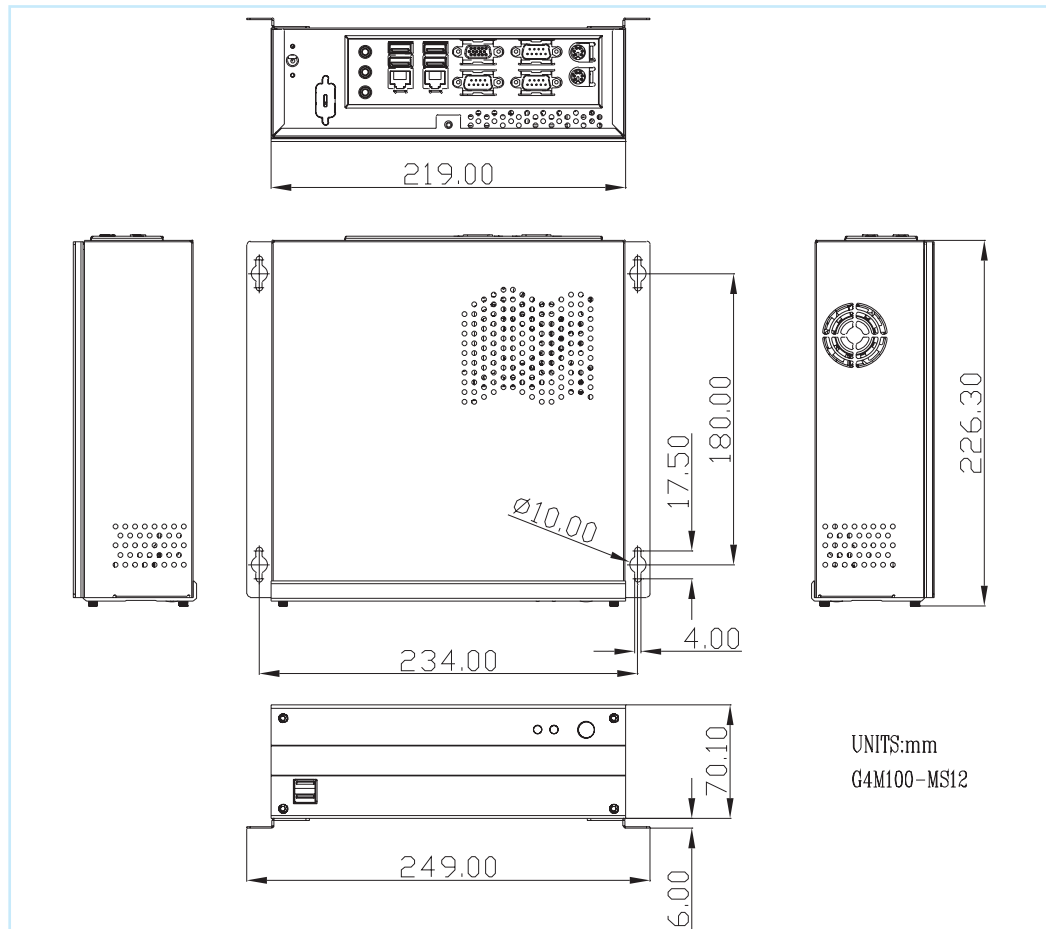
OPTIONAL ITEMS

- **138-405121-100G** DDR Module 400 512MB (ST100-MB06C, ST100-MS12)
- **138-410240-110G** DDR2 Module SO-DIMM 667MHz 1GB (ST100-G5C)
- **635-508092-000G** Slim HDD-IDE 2.5" 80GB 5400rpm (ST100-MB06C, ST100-MS12)
- **635-508092-100G** Slim HDD-SATA 2.5" 80GB 5400rpm (ST100-G5C, ST100-MS12)
- **632-116020-400G** Slim DVD-ROM Combo
- **143-101860-500G** Intel® CPU Celeron-M 440 1.86GHz FCPGA

SPARE PARTS

- **671-106002-000G** Power Adapter 60W DC-in
- **671-112003-100G** Power Adapter 120W DC-in
- **332-453007-301G** IDE-40 pins Cable 30.5cm
- **332-453037-100G** IDE-44 pins Cable 30.5cm
- **332-753011-004G** SATA Cable 12cm
- **332-753012-004G** SATA-Power Cable 12cm
- **623-ST1000-000G** ST100 Chassis Set
- **685-ST1000-000G** ST100 Chassis Parts Kit
- **551-762002-000G** L-shaped bracket for mounting
- **552-200082-000G** Case Fan 40x40x10mm, 12V, 5800rpm
- **552-200034-000G** CPU Cooler for ST100-MS12, ST100-G5C 51x51x40mm, W/Fan 12V

DIMENSIONS



Gaming Machine Application



ATM Application



Automation Application



Medical Equipment Application



Tel - Com Application



Security Application