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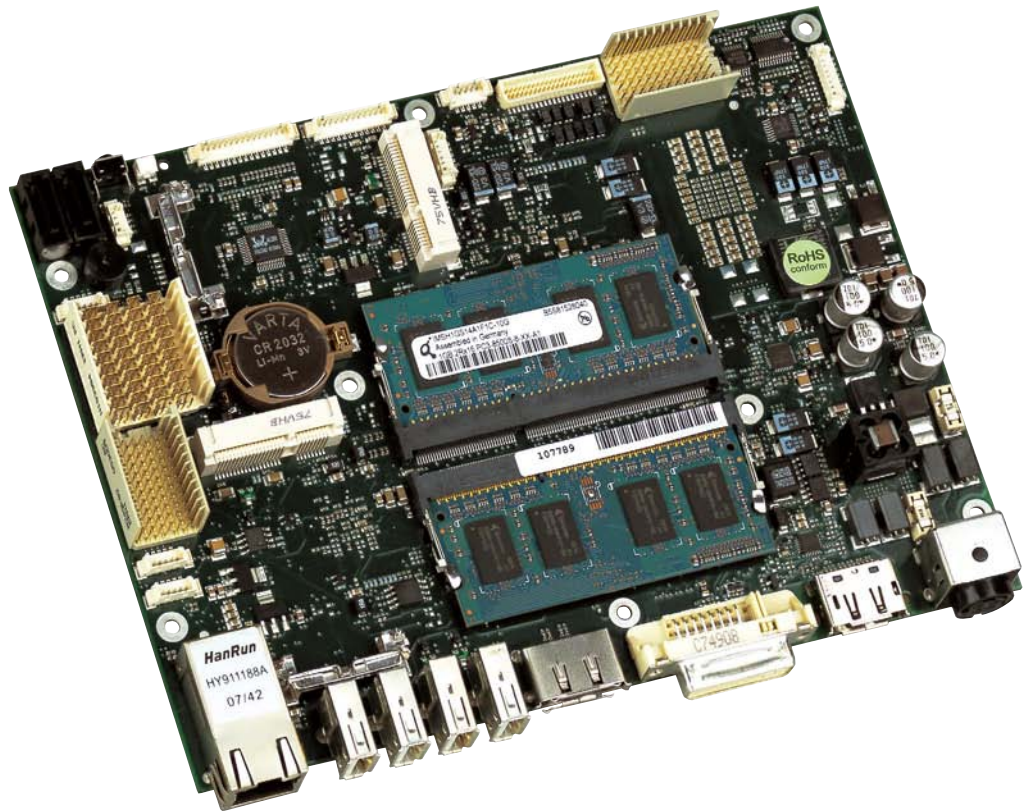
fanless solutions

APPLICATIONS

Designed for fanless applications, the Panel Board F75 single board computer finds its field of work in stationary and mobile devices.

- Rugged Industrial Systems
- Medical Solutions
- Automatic Control Panels
- Information Systems
- On-site Acquisition of Information
- Measurement & Quality Control
- Realtime Flow Control
- Public Terminal

Panel Board F75



- ▶ Powered by the latest Intel® technology
- ▶ Mobile Intel® GS45 Express Chipset
- ▶ Supports up to 8 GB DDR3 memory
- ▶ Enables DisplayPort, DVI-I, 24-bit dual channel LVDS and TV OUT
- ▶ Onboard Touch Panel controller for 4- or 8-wire touch screens
- ▶ 4-channel High Definition Audio support
- ▶ Intel® ICH9M I/O controller for overall interface solution
- ▶ Up to 4 PCI Express™ lanes and a 32-bit PCI™ interface are supported
- ▶ Four Serial ATA ports and up to twelve USB ports on board
- ▶ Gigabit Ethernet, SM and LPC bus for communication and control
- ▶ Connectors for daughter board solution available
- ▶ Design, Production and Support “Made in Germany”

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LIFE SUPPORT APPLICATIONS

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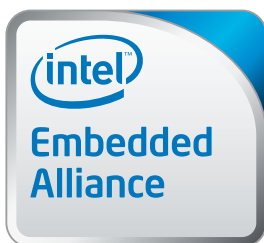
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Panel Board F75

CPU	Intel® Core™ 2 Duo processor SL9400 / 2x 1.86 GHz / 6 MB cache Intel® Core™ 2 Duo processor SU9300 / 2x 1.2 GHz / 3 MB cache Intel® Celeron® M processor C723 / 1.2 GHz / 1 MB cache
Chipset	Mobile Intel® GS45 Express Chipset with Intel® ICH9M
BIOS	SPI flash BIOS with Award BIOS from Phoenix
Max. memory	Up to 8 GB DDR3 memory supports 800 MHz and 1066 MHz FSB
PCI Express® Mini Card	Up to 2 PCI Express® Mini Cards One prepared with SIM card reader
PCI Express® lanes	Up to 4 PCI Express® lanes
32-bit PCI™ bus	Yes
Serial ATA interfaces	3
eSATA port	1
Gigabit Ethernet	Yes
LPC interface	Yes
SM bus	Yes
USB 2.0 ports	Up to 12
DisplayPort	Yes
DVI-I	Yes
LVDS interface	Yes, 24-bit dual channel LVDS with backlight connector
TV OUT	Yes, on board
Sound	4-channel High Definition Audio interface
Health monitoring and management	Controllable fan, hardware monitoring, backlight control and Watchdog
Power supply	8 V - 24 V single supply, extendable to 8 V - 32 V EMI filtering on board optional battery solution
Touch controller	Yes, supports 4- and 8-wire touch panels
Max. operating temperature	0°C to +60°C ambient or 0°C to +70°C at any point on the surface
Max. storage temperature	-20°C to +100°C
Fanless	Designed for fanless operation
Size approx.	180 mm x 135 mm



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