

mini-ITX SBC conga-X965

PRELIMINARY

Product Description

This small form factor ITX SBC conforms to the ITX standard (**170 x 170 mm**). It can easily be expanded by adding available PCI, PCI Express, and mini-PCI Express cards. Heatsinks and Heatspreaders are available for easy thermal design integration.

The **mini-ITX SBC** combined with available cards provides a means to quickly implement an embedded computer application with:

- Small standard ITX form factor.
- Expandable by adding available I/O cards
- Modular embedded computer solution without a backplane
- Large selection of CPUs / Memory to meet your price/performance objectives
- Heatsinks available for easy thermal design integration



Mini-XTX SBC

Ordering

PCI_965.L7500I	mini-ITX SBC 965/L7500	- Intel GLE965 chipset/ Intel Core2Duo L7500 LV CPU with 1.6 GHz, 4 MB L2-Cache and 800 MHz FSB/ 512MB RAM
PCI_965.U7500I	mini-ITX SBC 945/U7500	- Intel GLE960 chipset/ Intel Core2Duo U7500 ULV CPU with 1.06 GHz, 2 MB L2-Cache and 533 MHz FSB/ 512MB RAM
PCI_965.550I	mini-ITX SBC 945/550	- Intel GLE960 chipset/ Intel Celeron M CPU with 2.0 GHz, 1MB L2-Cache and 533 MHz FSB/ 512MB RAM



PCI Embedded Computer Systems, Inc.
505-1 S. State Hwy 49, #102
Jackson, CA 95642
(209) 295-5088
www.pciembedded.com

Options

PCI_087412	1024MB Ram Upgrade (not available on 915/CM600)
PCI_068712	2048MB RAM Upgrade (not available on 915/CM600)
PCI_024873	Passive Heatsink (not recommended with 915/738 or 915/745)
PCI_088741	Active Heatsink

Technical DATA

SBC

• Chipsets/CPUs

- See Congatec conga-X965 module specification

• I/O Interface

- 1x VGA (Micro-connector)
- 1x PS/2 Keyboard (Micro-connector)
- 1x PS/2 Mouse (Micro-connector)
- 1X Parallel Port
- 4x COM Port (1X front panel, 2X RS232 on 10 pin header, 1X TTL)
- 4x USB 2.0
- 1x SATA
- 1X EIDE
- 1x Ethernet 100Base-Tx Fast Ethernet
- 1X Ethernet Gigabit
- 1x LVDS header
- 1x Audio (Mic In, Line In, Line Out, Spkr Out on header)
- 1x ATX PS Power Input
- 2X SVDO
- 1X PCI
- 1X PCI Express (1 ch)
- 1X mini-PCI Express

• Internal connectors

- Compact Flash Socket
- Battery holder for RTC backup
- Fan

- ON button
- RESET button

• Embedded BIOS Features

- Congatec BIOS

• Operating Systems

- See Congatec conga-X965 module specification

• Power Consumption

- Carrier only:
5 VDC \pm 5% - 0.5 watts
- See Congatec conga-X965 module specification

• Temperature

- Operating 0 to +60°C
- Storage -20 to +80°

• Humidity

- Operating 10 to 90% r.H. non-cond.
- Storage 5 to 95% r.H. non-cond.

• Size

- Dimensions:
Width x Length x Height: 170 x 170 mm
Height: Dependent on PCI or PCI Express Card that can be added

• Cooling

- Standard XTX Heat sinks available