

mini-XTX Carrier

SMALLEST XTX CARRIER AVAILABLE ON THE MARKET

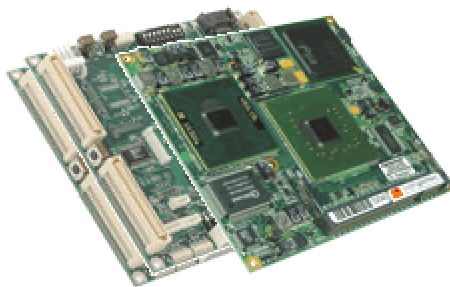
PRELIMINARY

Product Description

The **mini-XTX Carrier** has the smallest form factor (**95 x114 mm**) of any high performance modular XTX CPU system on the market. This small form factor XTX carrier is the same size as the XTX module itself. It can easily be used **for development and implemented as-is in your end product** without having to design a full custom carrier, by adding available SATA +USB expansion, mini-PCI Type III, PCI Express mini, Express/34, PCI/104-Express, and prototyping add-on adapters with standard available I/O cards.

The **mini-XTX Carrier** combined with available XTX Modules and mini-I/O cards provides a means to quickly implement an embedded computer design with:

- Small form factor carrier that is the same size as a XTX Computer-On-Module
- Expandable by adding available adapters and standard I/O cards
- Modular embedded computer solution without a backplane
- Vendor BIOS transparent - Any vendors standard XTX or ETX® 3.0 cards can be adapted.
- No need to design a full custom carrier for most applications
- Can be easily modified with custom add-on cards for applications that require custom circuitry to be added
- Custom design and modification service also available



Mini-XTX carrier shown with one adapter module and a XTX card

Ordering

PCI_100.100

mini-XTX Carrier

Options

PCI_100.101

mini-XTX Development Cable kit

PCI_100.105

mini-XTX SATA + USB Expansion Adapter

PCI_100.110

mini-XTX mini-PCI Type III card adapter

PCI_100.120

mini-XTX Dual Express/34 card adapter

PCI_100.125

mini-XTX Dual PCI Express mini card adapter

PCI_100.130

mini-XTX PCI/104-Express card adapter

PCI_100.140

mini-XTX Prototype card adapter



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Technical DATA

Carrier

• I/O Interface - top

- 1x VGA (Micro-connector)
- 1x PS/2 Keyboard (Micro-connector)
- 1x PS/2 Mouse (Micro-connector)
- 2x COM Port (Micro-connectors)
- 2x USB 2.0
- 1x SATA
- 1x Ethernet 100Base-Tx Fast Ethernet
- 1x LVDS header
- 1x TV out header
- 1x Audio header
- 1x HD Audio expansion header
- 1x +5V Power Input

• I/O Interface - bottom

- XTX standard X1 – X4 connectors available to add adapters or custom circuitry

• Internal connectors

- Compact Flash Socket
- Battery holder for RTC backup
- Fan (12V output)
- RESET button

• Embedded BIOS Features

- Vendor BIOS independent

• Operating Systems

- See XTX module vendor for information

• Power Consumption

- Carrier only:
5 VDC \pm 5% - 0.25 watts

• 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.
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• Size

- Dimensions:
Width x Length: 95 x 114 mm
Height: 22.7 mm high with a standard XTX module and a heat spreader
Add 11.1 mm for each adapter type added and 9.5mm for last bottom connectors (may be removed)

• Cooling

- Standard XTX Heat Spreaders or Heat sinks available

Development Cable Kit

- 2x PN 078241 for PS2 Keyboard & Mouse
- 1X PN 047245 for VGA
- 2X PN 05764 for COM

SATA HD + 4X USB Expansion Adapter

- 1x 1.8" SATA HD socket
- 4x USB 2.0 connectors (only 2x available if a Dual Express/34 or Dual PCI Express mini are mounted)

mini-PCI Type III Adapter

- 1x mini-PCI Type III slot
- Fits up to type IIIB length (50.95 mm) boards
- Up to 4 adapters can be mounted to carrier

Dual Express/34 Adapter

- 2x Express/34 slots
- Only 1 adapter can be mounted to carrier (Not available if Dual PCI Express mini adapter is used)

Dual PCI Express Mini Adapter

- 2x PCI Express mini slots
- Only 1 adapter can be mounted to carrier (Not available if Dual Express/34 adapter is used)

PCI/104-Express Adapter

- 1x PCI/104-Express Slot (Also adapts PC/104plus cards)
- Only 1 adapter can be mounted to carrier

Prototype Adapter

- Used to install prototype circuits.
- Includes access to all XTX signals including 3.3V and 5V.
- Multiple adapters can be mounted to carrier. Contact factory for application specific details.