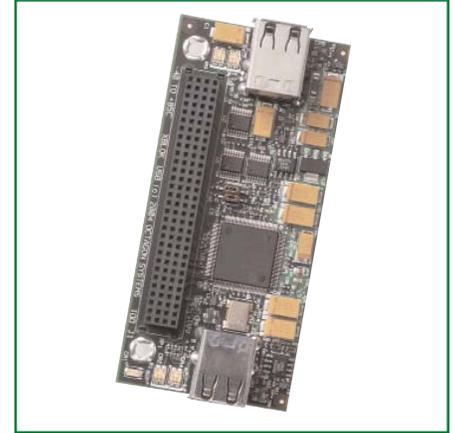# X–USB–2 quad USB 2 card from the XBLOK™ series

The high–performance, PCI–based X–USB–2 contains two root hubs for operation of up to four USB devices. Both legacy USB 1.1 and USB 2.0 are supported and can be mixed. The card is based on the Philips ISP 1561 host controller and has support for the latest USB 2.0 devices including Ethernet, serial WiFi, video capture, and a host of other devices. Data rates to 480 Mbps are possible.

Octagon products are designed and manufactured with exacting specifications under the supervision of a Quality Management System that is ISO 9001–2000 certified. This rugged expansion card will provide years of reliable service in the most challenging environments.

XBLOK products are 44 percent the size of a standard PC/104 module.

XBLOK form factor

XBLOK products are 44 percent the size of a standard PC/104 module. XBLOK cards use either the PC/104 connector for 8– or 16–bit access to the ISA Bus, or the PC/104–*Plus* connector for 32–bit access to the PCI Bus. The X–USB–2 uses the PC/104–*Plus* connector. This allows designers to mix and match I/O functions while only taking up one stack layer. This compact interface board is a member of a family of Octagon products that provide specific functions for embedded PC/104 and PC/104–*Plus* systems.
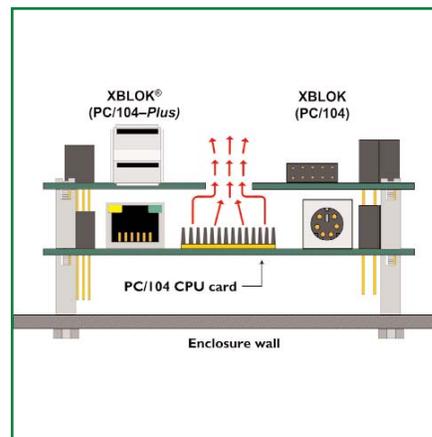
See diagram for mounting position.

Diagram shows mounting scheme for using XBLOKs in a PC/104 or PC/104–*Plus* systems.

Features

USB:

◆ Quad USB 2.0–compliant ports

◆ Speeds up to 480 MB/second

◆ LED activity indicator for each port

◆ Plug–n–play compatible

◆ Compliant with OHCI USB Rev 1.0a

◆ Compliant with EHCI for USB Rev 1.0

◆ Current limiting on all ports

PC/104 INTERFACE:

◆ Supports 32–bit, PC/104–*Plus* interface

CONNECTORS:

◆ Two dual–port headers with standard USB interface

◆ 120–pin PC/104–*Plus* header

BASE ADDRESS:

◆ Jumper–selectable PCI slot address, slot 0
through slot 3

ENVIRONMENTAL:

◆ –40° to 85° C operating

◆ –55° to 95° C nonoperating

◆ 5% to 95%, RH, noncondensing

◆ Up to 40g shock, 3 axis

◆ Up to 5g vibration, 3 axis

◆ Size: 3.55" x 1.65" x 0.43", XBLOK form factor

◆ Mounting holes and connector are PC/104 compliant

◆ Power: 5V ±5% ,190 mA, typical, supplied through
the PC/104–*Plus* connector. Up to 500 mA can be
supplied to each USB target. Total current is the sum
of the target currents and the XBLOK power.

ORDERING INFORMATION
#6584   X–USB–4 quad USB 2.0 card

ACCESSORIES ORDERING INFORMATION
Accepts any standard USB 2.0 cables to 5m