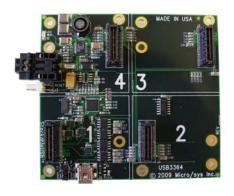


StackableUSB104™ I/O Device Carrier for 104 Factor™ CRR-104/HUB-104



The CRR-104 and the HUB-104 provide a bridge from off-the-shelf 104 Form Factor single board computers to the increasingly popular ¼-size StackableUSB I/O devices. Removing the burden of assessing compatibility from the OEM, the CRR-104 and HUB-104 securely mount top or bottom to any 104 Form Factor to provide access to multiple StackableUSB I/O modules. OEMs simply plug on their 104 Form Factor single

Features

- ✓ Accommodates up to four (4) StackableUSB boards
- ✓ Top- or bottom-mount to 104 Form Factor processor board
- ✓ USB Root or Hub versions
- √ No special software
- ✓ -40° to +85°C operation





board computer via the StackableUSB connector or cable to the CRR-104/HUB-104 via USB 2.0. With access to the well-defined embedded standard for USB, I²C, and SPI, OEMs can add a wealth of intelligent peripheral functions from wireless to GPS to additional storage and more. Plus with the option to add a Hub, OEMs increase their USB capability by splitting one USB root port into 4 USB channels.

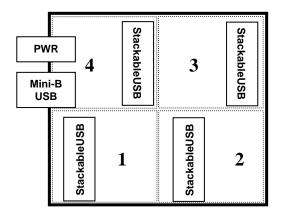
Software/Driver Support

Compatible Hardware

StackableUSB Host single board computers and microcontrollers PC Host desktops and laptops StackableUSB Client boards

Mounting/Packaging

Full-size 104 Form Factor, ½-size 104 Form Factor, and ½-size 104 Form Factor Standoffs, STDOFFUSB



Specifications:

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- □ Full-size 104™ Form Factor mounting holes
- ☐ ¼-size 104 Form Factor mounting holes
- □ ½-size 104 Form Factor mounting holes
- □ 3.55" (plus I/O region) x 3.775" x .6"

Power Requirements:

- → +5v ±5% supplied by power header
- □ 200 mA (min)

(Current requirements dependent on devices plugged into the HUB-104)

Environmental:

- □ -40° to +85°C operating
- □ -40° to +85°C storage
- □ 5%-95% relative humidity, non-condensing

Interface:

- □ StackableUSB
- □ SPI

Connections*:

- □ One (1) StackableUSB Host
 - Four (4) ¼-size 104 Form Factor StackableUSB
- ☐ Two (2) ½-size 104 Form Factor StackableUSB
- □ Two (2) ¼-size 104 Form Factor and one (1) ½-size 104 Form Factor StackableUSB

Development Kit:

- Base module
- Complete cable set
- Documentation, schematics

^{*}Based on configuration

Ordering Information:

OEM Hub Carrier Module:

104OPT2B

104OPT3T

HUB-104-ST Hub Carrier Board for four (4) 104OPT3B Two (2) bottom-mounting 1/4top-mounting 1/4-size 104 size 104 Form Factor boards Form Factor boards for and one (1) bottom-mounting StackableUSB Host ½-size 104 Form Factor board HUB-104-PC Hub Carrier Board for 1040PT4B Four (4) bottom-mounting 1/4four (4) top-mounting 1/4size 104 Form Factor boards size 104 Form Factor CS-CRR-104 Complete Cable Set boards for PC Host 104OPT2T Two (2) top-mounting ½-size Related Products: 104 Form Factor boards **STDOFFUSB** StackableUSB Standoff Kit 104OPT2B Two (2) bottom-mounting 1/2-CA4136 A to Mini-B USB Cable size 104 Form Factor boards 104OPT3T Two (2) top-mounting 1/4size 104 Form Factor **Development Board Kits*** boards and one (1) top-DK-HUB-104-ST Hub Carrier Board for four mounting ½-size 104 (4) top-mounting 1/4-size 104 Form Factor board Form Factor boards for 104OPT3B Two (2) bottom-mounting 1/4-StackableUSB Host size 104 Form Factor boards development kit and and (1) bottom mounting

104OPT4B CS-HUB-104	½-size 104 Form Factor board Four (4) bottom-mounting ¼- size 104 Form Factor boards Complete Cable Set	DK-HUB-104-PC	Hub Carrier Board for f (4) top-mounting 1/4-siz Form Factor boards for Host development kit
OEM Carrier Me	odule:	DK-CRR-104-ST	Carrier Board for four (
CRR-104-ST	Carrier Board for four (4) top- mounting 1/4-size 104 Form Factor boards for StackableUSB Host		Form Factor boards for StackableUSB Host development kit
CRR-104-PC	Carrier Board for four (4) top-mounting ¼-size 104 Form Factor boards for PC Host	DK-CRR-104-PC	Carrier Board for four (top-mounting ¼-size 10 Form Factor boards for Host development kit
104OPT2T	Two (2) top-mounting ½-size 104 Form Factor boards	*See Development K	it Specifications

Two (2) bottom-mounting 1/2-

size 104 Form Factor boards

Two (2) top-mounting 1/4size 104 Form Factor boards and one (1) topmounting 1/2-size 104 Form Factor board

The above model is for U.S. operation. Contact the factory for international models.

rd for four 1/4-size 104 ards for PC nt kit r four (4) size 104 ards for Host

r four (4) size 104 ards for PC