Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

StackableUSB™ I/O Device Carrier for the Tower System CRR-TOWER/HUB-TOWER
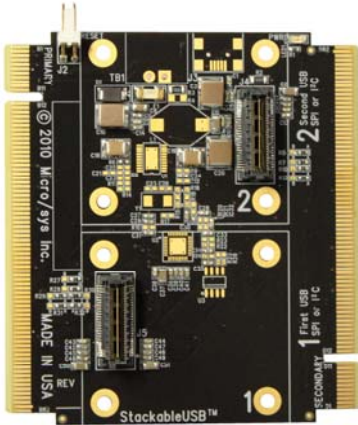
Features

- ✓ Accommodates up to four (4) StackableUSB boards

- ✓ Maximize system access to USB, SPI, and I^2C ports

- ✓ USB root or hub versions

- ✓ No special software needed

The CRR-TOWER and the HUB-TOWER provide design engineers additional expansion for the Freescale Tower System. With easy access to the rugged StackableUSB connector, users can effortlessly evaluate plug-and-play ¼-size (1.85" x 1.74") StackableUSB I/O devices. From wireless to GPS to serial conversion, OEMs are able to cost-effectively explore a wealth of peripheral functions for their embedded system.

By offering OEMs the flexibility to build on the number of USB, SPI, and I^2C ports, the CRR-TOWER and the HUB-TOWER open the door for R&D engineers to evaluate a potential design in its entirety rather than one board/chip at a time.

For garnering more I/O flexibility and capacity on a variety of form factors, Nano-ITX, Pico-ITX, 104 Form Factor™, SUMIT-ISM, and COM Express versions are available as well (see ordering information).
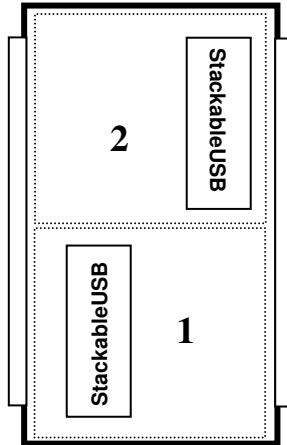
Software/Driver Support	*Compatible Hardware*	*Mounting/Packaging*
Utilizes standard USB drivers	*Tower System CPU motherboard* *PC Host desktops and laptops* *StackableUSB Client boards*	*Tower System and ¼-size 104 Form Factor* *Standoffs, STDOFFUSB*

StackableUSB (label inside box 2)

2

StackableUSB (label inside box 1)

1

Specifications:

Mechanical:
- ❑ Freescale Tower form factor
- ❑ 3.543" x 3.197"
- ❑ ¼-size 104 Form Factor mounting holes

Power Requirements:
- ❑ +5v ±5% supplied by power header
- ❑ 200 mA (min)

(Current requirements dependent on USB devices plugged into HUB-TWR)

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

Interface:
- ❑ StackableUSB
- ❑ I^{2}C
- ❑ SPI

Connections:
- ❑ Tower card-edge connectors for USB, I^{2}C, and SPI
- ❑ Two (2) ¼-size 104 Form Factor StackableUSB

Ordering Information:

CRR-TOWER	Carrier Board for two–four top-mounting ¼-size 104 Form Factor boards for the Tower System
HUB-TOWER	Hub Carrier Board for two–four top-mounting ¼-size 104 Form Factor boards for the Tower System

Related Tower System Offerings:

TWR1650-Linux*	i.MX515 ARM Cortex-A8 Computer Module for the Tower System, Linux-ready
TWR1650-WinCE*	i.MX515 ARM Cortex-A8 Computer Module for the Tower System, WinCE-ready

Related OEM Offerings:

CRR-PICO/ HUB-PICO	StackableUSB I/O Device Hub Carrier for Pico-ITX Form Factor
CRR-NANO/ HUB-NANO	StackableUSB I/O Device Carrier for Nano-ITX Form Factor
CRR-104/ HUB-104	StackableUSB I/O Device Carrier for 104 Form Factor
CRR-SUMIT/ HUB-SUMIT	StackableUSB I/O Device Carrier for SUMIT-ISM
CRR-COM/ HUB-COM	StackableUSB I/O Device Carrier for COM Express

StackableUSB trademark Micro/sys, Inc.