SB1-USB-DVD

DATASHEET

CompactPCI Carrier with USB DVD Drive

Product Highlights

- CompactPCI (rev. 2.1)
- USB 2.0 via RTM and front panel port
- Integrated DVD player device
- Removable Media (CD or DVD)

Key Applications

- CompactPCI based systems that require DVD/CD installations
- Telecommunication Platforms
- Embedded systems
- Blade Servers

Features

- PICMG 2.0 CompactPCI (rev. 2.1)
- USB 2.0
- Player and media is removable
- Requires no special BIOS or drivers
- USB type B port on front panel
- USB via Rear Transition Module (RTM)
- supports DVD-R/RW media
  -DVD: 8x max
  -CD: 42x max
- supports CD-R/RW media
- 6U cPCI Single slot
- IPMI Support
- Hot Swap LED

Regulatory

- RoHS 6/6
- IEC60950, EN60950
- EN55022, EN50024
- FCC, VCCI, EN5022 (Class A)
- Designed for NEBs compliance

CompactPCI®

CompactPCI USB 2.0 DVD Drive

The SANBlaze **SB1-USB-DVD** is a one slot CompactPCI carrier that features a DVD recorder-player that is accessed using standard USB 2.0 cables and protocol. This blade gives embedded systems designers the ability to boot and access CDROM media for purposes of OS or application software installation.

The SANBlaze **SB1-USB-DVD** supports connections to external equipment via front panel USB port or via USB signals routed to the Rear Transition Module (RTM). Internally, the module converts USB protocol in to ATA, ATAPI interface. This allows the **SB1-USB-DVD** to accept standard commodity removable drives, which support both DVD and CD formats.

The DVD player supports multiple read functions; it reads DVD-ROMs up to 8x speed, and CD-ROMs up to 24x speed. It writes to DVD-Rs, DVD +Rs and DVD +RWs at 8x speed - or DVD-RWs at 6x speed. And it handles DVD-R DL/DVD +R9 format disks just as comfortably (4x) as CDs in -R/-RW formats (24x).

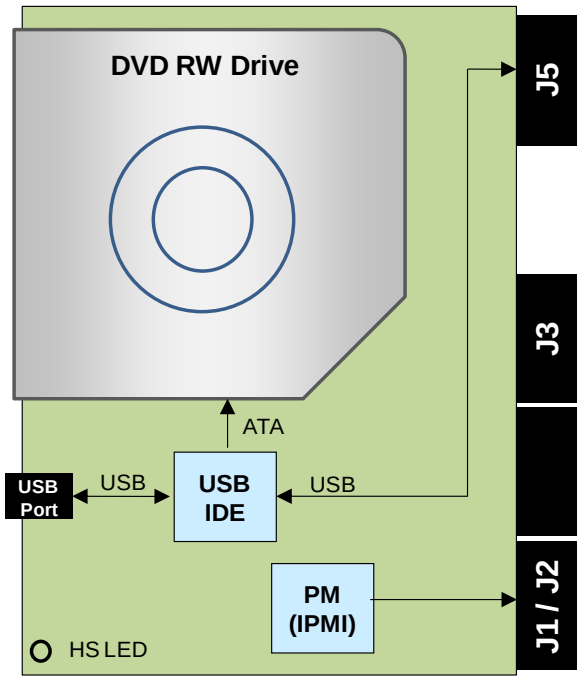
This module includes an IPMI controller which supports PICMG 2.9 management; it also supports autonomous mode if the IPMI link is lost or unavailable.

The **SB1-USB-DVD,** utilizing ubiquitous USB2.0 interface, provides the perfect solution to quickly integrate an "in-chassis" DVD player-recorder into an embedded platform.

Technical Specifications:

SB1-USB-DVD		
DVD recording capabilities	5.25 inch media, DVD –R/-RW, DVD +R/+RW and CD –R/-RW	
Hard Drive capabilities	80GB IDE, 2.5" media, 5400 RPM	
Supported DVD formats	DVD-R, DVD +R, DVD +RW, DVD –RW, DVD-R DL/DVD	
Supported CD formats	CD-R, CD-RW	
Max Read Bandwidth	X8 DVD ROM	X24 CD ROM
USB data rate	high speed (HS, 480 Mbits/sec) and full speed (FS, 12 Mbits/sec)	
Front panel Host SWAP LED	Color Blue	
Front panel USB connector	USB type B receptacle	
Environmental Conditions		
Operating Temperature	-0ºC to +50ºC (media excluded)	
Dimensions	CPCI 6U, 4HP wide (233 mm x 160 mm x 20 mm)	
Maximum Power	6W (5V) and 0.5W (3.3V) and 0.1W (12V)	

Block Diagram: SB1-USB-DVD



Ordering Information:

SB1-USB-XXX

Base Part Number	Description
SB1-USB-DVD	**USB2.0 Disk Blade, with DVD Player - recorder**

For more information please visit the SANBlaze web site at: www.sanblaze.com or send email info@sanblaze.com.

SANBlaze is a leading provider of storage solutions for embedded systems, delivering high performance enterprise storage technologies and functionality to the embedded computing market. Our AMC, PMC, ATCA and cPCI board level storage solutions provide maximum design flexibility, ease of integration and cost effectiveness.

SANBlaze Technology, Inc. • 5 Clock Tower Place, Suite 100 • Maynard, MA. 01754 • Ph: (978) 897-1888 • Fax: (978) 897-3171