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Find the *Abaco Systems / SBS OS-P100-H* at our website: *Click HERE*

Omnispan™

64-bit PCI Expansion System & Components

I/O & Communications

Features

- **OS-PR107 seven slot kit:**
  - Up to 266 MB/s throughput & low latency for real-time performance
  - Independent operation of host bus and expansion buses for maximum performance
  - Industrial 19-inch rackmount enclosure with 300 watt power supply with provision for 5V and 3.3V, and PCI backplane with integrated controller
  - Seven 64-bit/ 33 MHz PCI slots
  - Two 26db ball bearing 42.5 CFM fans for cooling PCI cards in addition to power supply fan
  - Short form factor PCI host card runs at 33 MHz
  - Host supports universal signaling (3.3V and 5V)
  - Round-Robin (RRS) arbitration provided for the PCI bus in the chassis
  - Operation at nominal input line voltages of 115V or 230V (controlled by a rear-panel switch)
  - Power monitoring circuits to prevent spurious cycles from appearing on the host bus while the expansion chassis is powering up or down
  - Supports cable lengths up to 5 meters; 2-meter cable included

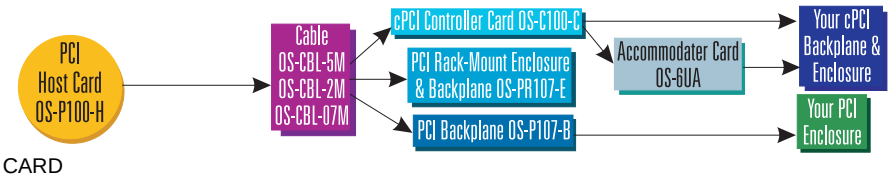


Omnispan 64-bit /33 MHz PCI expansion kits provide seven additional PCI slots to PCI systems. Omnispan components provide additional slots for CompactPCI host systems. These products are engineered to lower overall system cost by increasing the number of PCI slots while reducing the need for additional host systems. Featuring 266 MB/s throughput and low latency, Omnispan provides true real-time performance. Plus, Omnispan supports cable lengths up to 5 meters.

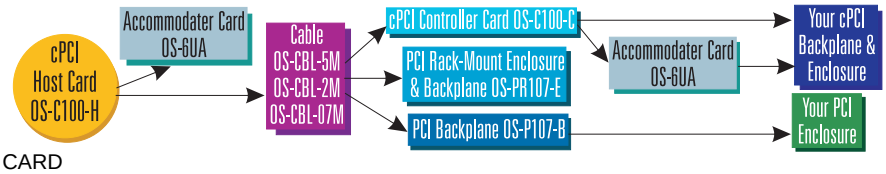
Omnispan is available as a complete kit or as individual components. Available components include 3U CompactPCI host, controller, and 6U accommodator cards, PCI host card and backplane with integrated controller, enclosures with PCI backplane, and cables. See the selection guides below.

The complete Omnispan PCI kit OS-PR107 includes a seven-slot rackmount enclosure with backplane, integrated controller, PCI host card and 2-meter cable.

Selection Guides



PCI HOST CARD



cPCI HOST CARD



Omnispan

Specifications

Host Cards –
OS-P100-H PCI &
OS-P100-C CompactPCI

- Universal (5.0V or 3.3V) 64-bit / 33 MHz card
- 32-bit memory addressing, prefetchable and non-prefetchable ranges
- 32-bit I/O addressing
- Added round-trip latency for configuration and I/O writes as low as 540 nsec. All memory writes are posted
- Supports zero wait state burst operations
- Independent buffering for read prefetch and for write posting in each direction
- Implements delayed transactions
- Support for MRL, MRM, and MWI commands
- Programmable latency timers
- Supports locked operations
- Error detection: parity checks on address and data lines
- Power requirements: draws 1A at 5V
- Environment –
  Operating: 0ºC to +60ºC;
  Storage: -40ºC to +85ºC;
  Humidity: 0 - 90% non-condensing

Host System Requirements

- One +5V or +3.3V PCI slot on the host bus for installation of the host card; slot may be 32-bit or 64-bit / 33 MHz
- Host system BIOS or system boot software must support PCI-to-PCI bridges to at least one additional level

OS-P107-B PCI Backplane with Integrated Controller

- 7-slot ATX backplane with integrated controller; single bus
- 64-bit / 33 MHz PCI slots support short or long form 5V signaling PCI cards
- Dimensions (WxD):
  11.2 x 7.2 (in.); 28.45 x 18.29 (cm)
- Environment –
  Operating: 0ºC to +60ºC;
  Storage: -40ºC to +85ºC;
  Humidity: 0 - 90% non-condensing

OS-C100-C CompactPCI Backplane Controller Card

- 64-bit / 33 MHz 3U card installs in CPCI system controller slot
- Up to 266 MB/s throughput
- Performs all system slot functions as a bridge under control of the remote processor
- Environment –
  Operating: 0ºC to +60ºC;
  Storage: -40ºC to +85ºC;
  Humidity: 0 - 90% non-condensing

OS-PR107-E Enclosure with Backplane

- 19-inch rackmount chassis with reusable intake air filter
- Case Dimensions (WxHxD): 17 x 6.5 x 18 (in.); 43.2 x 16.5 x 45.7 (cm)
- Face Plate Dimensions: 19 x 7 (in.); 48.26 x 17.78 (cm)
- Power requirements: Backplane draws 1A at 5V
- Power Supply-
  AC input: 115V or 230V
  Input frequency: 47 – 63 Hz
  Input current: 8A/115VAC; 4A/230VAC
- Maximum DC loads-
  14A @ 3.3V
  30A @ +5V 0.5A @ -5V
  8A @ +12V 0.5A @ -12V
  160W combined 3.3V & 5V max
- Environment –
  Operating: 0ºC to +35ºC;
  Storage: -40ºC to +85ºC;
  Humidity: 0 - 90% non-condensing

Compliance

- PCI Local Bus Specification Rev. 2.2
- PCI to PCI Bridge Architecture Specification Rev. 1.1
- PIC-MG 2.0 R2.1 CompactPCI Specification
- FCC Class A approved
- CE Marked in compliance with EMC Directive 89/336/EEC: CISPR 22/EN 55022 Class A for emissions; EN 50082-2 (heavy industrial) for immunities

Ordering Information

OS-PR107	Omnispan PCI 7-slot rackmount kit
OS-C100-H	Omnispan 3U CompactPCI host card; hot swappable when used with CPCI expansion
OS-C100-C	Omnispan 3U CompactPCI backplane controller card
OS-6UA	3U-6U accommodator card for CompactPCI cards
OS-P100-H	Omnispan short form factor PCI host card
OS-P107-B	Omnispan PCI 7-slot backplane with integrated controller
OS-PR107-E	Omnispan PCI rackmount enclosure and backplane
OS-CBL-5M	5-meter flexible round cable with 50-pin connectors
OS-CBL-2M	2-meter flexible round cable with 50-pin connectors
OS-CBL-07M	0.7-meter flexible round cable with 50-pin connectors

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