

NextBox

4-Slot and 7-Slot PCI Expansion System



NextBox64: 7-slot Chassis



NextBox32: 4-slot Chassis

The NextBox PCI-to-PCI Expansion System provides all the PCI slots you need to expand the performance and I/O of your PCI-based system configuration. Now you can utilize 4 to 7 extra PCI cards in a separate chassis that connects to a host system through an available PCI slot.

Utilizing serialized bridging technology, everything installed in the enclosure acts as if it's inside the host computer. The included expansion cable and universal PCI host card provide transfer speeds of up to 132MB/s between the host computer and the chassis.

In addition, the PCI Expansion System includes brackets to mount additional SCSI, IDE or SATA disk drives inside the chassis. One to four standard 3.5" disk drives can be mounted inside the enclosure.

The NextBox solution creates a compelling value proposition for those who want to maximize the functionality of their host system, while minimizing the costs and performance degradation commonly associated with multiple bridge chips.



7 Slot PCI-to-PCI Expansion System

BackplaneSeven 64-bit/66MHz PCI Slots
Standard Expansion
Cable Length3 meters
Maximum Expansion
Cable Length15 meters
PCI Local Bus SpecificationRevision 2.2
PCI Bridge
Architecture SpecificationRevision 1.2
Interconnect Bandwidth5 Gbps full duplex
MTBF53,000 hours
Operating Environment0° to 50° C Operating Temperature
-20° to 60° C Storage Temperature
5% to 85% Relative Humidity,
Non-condensing
Supported Operating SystemsWindows XP, Windows 2000,
Red Hat Linux 9, Solaris 9

Rack-Mount Specifications

Enclosure4U rack-mount (all steel)
Dimensions12" w x 7" h x 17.7" d
(48.26 x 17.78 x 44.96cm)
Weight24lbs (11.80kg)
CoolingOne 70-105 CFM fan
(removable/cleanable air filter)
Power Supply300W (auto-switching AC) is standard.
400W (auto-switching), and
hot-swappable 300W (redundant) with
audible alarm reset are optional
Available OptionsDisk drive bays for up to (8) 3.5"
internal disk drives. 18" rack-mount
slide kit

**NextBox64: 7-slot PCI to PCI
64-bit/66MHz Expansion System**



Rear View

4 Slot PCI-to-PCI Expansion System

BackplaneFour 32-bit/33MHz PCI Slots
Standard Expansion
Cable Length1 meters
Maximum Expansion
Cable Length1.5 meters
PCI Local Bus SpecificationRevision 2.2
PCI Bridge
Architecture SpecificationRevision 1.2
Interconnect Bandwidth132 MB/sec
MTBF25,000 hours
Operating Environment0° to 50° C Operating Temperature
-20° to 60° C Storage Temperature
5% to 85% Relative Humidity,
Non-condensing
Supported Operating SystemsWindows XP, Windows 2000,
Red Hat Linux 9, Solaris 9

Rack-Mount Specifications

Enclosure2U rack-mount (Steel/Aluminum)
Dimensions13.1" w x 3.5" h x 16.4" d
(19" width with rack ears mounted)
(48.26 x 17.78 x 44.96cm)
Weight9lbs (4.086kg)
CoolingTwo Silencer 28CFM fans
One Silencer 28CFM in power supply
Power Supply310W (AC Active PFC)
Available OptionsDisk drive bays for up to (4) 3.5"
internal disk drives

**NextBox32: 4-slot PCI to PCI
32-bit/33MHz Expansion System**



Rear View