

WANrockIT™ 800 series

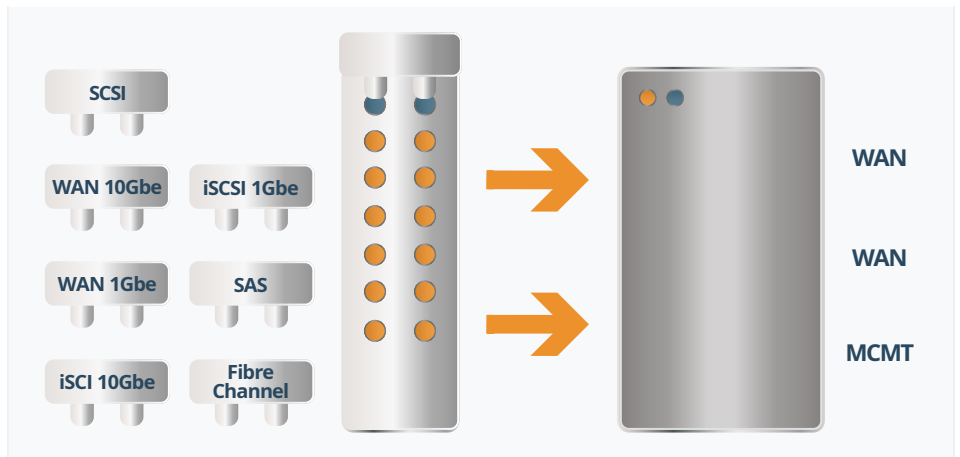
Overview

The Bridgeworks' WANrockIT™ Series 800 is an Enterprise data centre appliance for accelerating storage protocols over WAN links. By using unique parallelisation techniques managed by Artificial Intelligence, it frees the user from the distance limitations and performance constraints that are normally associated with WANs. With its "local device" like connectivity, organisations can now realistically implement the Data Replication, Migration, Backup and Disaster Recovery strategies that match their distance, performance and costs requirements.

Through the use of various and expanding sets of feature cards, the Series 800 supports all of the major storage protocols: Fibre Channel, iSCSI, SAS and SCSI, and is ideal for providing connectivity between: Servers, Virtual Tape Libraries, Disk Arrays and Tape Libraries.

Product Features

- Support for iSCSI
- SAS Fibre Channel SCSI
- Upto 256 node connections
- 10Gbe WAN capability
- Compatible with Series 100, 200,400 and 800
- Dual failover Power supplies
- up to 7 feature cards
- 2 WAN ports as standard



Core Compute platform

At the heart of the WANrockIT™ Series 800 is the Core Compute Platform (CCP). This provides all the necessary computing power, two management interfaces, four 1Gbe WAN ports and the WANrockIT™ operating system. As standard, the CCP can support up to 200MB/s of WAN throughput. However, if this is insufficient, then upgrades are available to add additional 10Gb WAN connections to give up to 4.4GB/s throughput performance. Each WANrockIT™ 800 can connect to 250 other WANrockIT™ Nodes of any other WANrockIT™ Series or type. These can be configured in a point-to-point topology but where there are multiple Series 400/800 connected together, these can be configured as a Mesh Network where each node not only provides an access point, but also acts as a relay between other nodes. With this facility, organisations can build a global network where it is possible to transport data transparently from any point to any point on the network.

Feature Cards

Nothing is worse than buying a product only to find that six months down the line your requirements have changed. Bridgeworks recognises that the world of storage is constantly changing. Our ability to respond to these changes is key to helping our customers both maximise and future proof their investment in our products.

Each CCP comes with seven Feature Card slots that can be populated with a wide range of interfaces: iSCSI, Fibre Channel, SCSI, SAS or extra WAN ports. A unique feature of WANrockIT™ is the ability to mix-and-match the protocols within a single CCP. For example, if there is a requirement for both iSCSI and Fibre Channel connectivity then the CCP can be populated with both types of Feature Card in any combination up to a maximum of seven. There is no need to match up the same interface at the other end of the link; with WANrockIT™ these can be totally different interfaces all together – WANrockIT™ seamlessly translates between the two protocols without intervention or impact on performance.

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Maximising Investment

In the future, as new interface standards become available, Bridgeworks will verify and release a separate feature card to support this in the WANrockIT™ Series 800; once again prolonging the life of the product and maximising your return on investment in our products.

If you start with a WANrockIT™ Series 400 and your needs require you to migrate up to the Enterprise WANrockIT™ Series 800, many if not all of your feature cards can be transferred from the WANrockIT™ Series 400CCP to the WANrockIT™ Series 800 CCP.

Key Specifications*

Electrical

Power supplies	(PSU) Dual PSU with failover / hot swap capability
Voltage	100 – 240 VAC 50 – 60Hz
Maximum Power /PSU	750 Watts
Heat Dissipation	2560 BTU/hr Maximum
Physical	19" Rack Mount 4 U
Height	172.6mm (6.80 in)
Width	482.4mm (18.99 in)
Depth	785mm (28.5 in)
Weight Maximum	35Kg

Environmental – Temperature

Operating	10°C to 35°C (50°F to 95°F)
Storage	–40°C to 65°C (–40°F to 149°F)
Humidity	10 – 80% RH Non-condensing
WAN Port	2 × 1Gbe RJ45 10/100/1000Mbps Ethernet
Management Port	2 × 1Gbe RJ45 10/100/1000Mbps Ethernet

Feature Cards

Maximum Cards	7 Feature cards in any combination
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Supported Feature Cards

ISCSI	2 × 1 Gbe RJ45 10/100/1000Mbps Ethernet
ISCSI	2 × 10Gbe RJ45 or SFP+
Fibre Channel	2 × 8Gb Short Range Multimode Laser
SAS	2 × 4 channel 6Gb 8088 MiniSAS
SCSI	2 × Ultra 320, 68way VHDL connections
WAN 1Gbe	2 × 1 Gbe RJ45 10/100/1000Mbps Ethernet
WAN 10Gbe	2 × 10Gbe RJ45 or SFP+

* Subject to change without notice

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simply making data flow

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