peribit

SR Product Family

The Peribit™ Sequence Reducer™ (SR™) product family provides distributed enterprises with a scalable approach to improving application delivery over the WAN. The Peribit PeriSphere™ architecture is at the heart of the SR products, and it delivers several interdependent technologies.

The SR products run the Sequence Reduction System™ (SRS™) software, which provides Molecular Sequence Reduction™ (MSR™), Packet Flow Acceleration™ (PFA™), Quality of Service, Policy-Based Multipath™ (PBM™), and visibility features such as WebView. The SR products also support PeriScope™ Central Management System™ (CMS™) software for multi-device management.

Sequence Reducer Product Family

The SR products exchange vital information such as topology, reachability, and path-performance metrics, providing distributed stateful intelligence about the entire network. The SR platforms operate transparently, independent of other network equipment, and IT can place an SR device either in the flow of traffic between a LAN switch and WAN router, called In-Line Mode, or attach it to just one port of the switch or router, called Packet-Interception Mode.

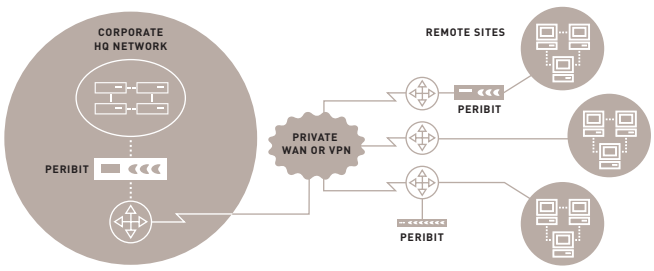
The SR products provide a number of redundancy features. SR platforms designed for central sites include redundant power supplies, and all SR products support fail-safe operation. In the event of any failure, including total loss of power, the SR devices automatically convert to bypass mode in which all traffic simply passes through the SR untouched. SR products also support a multitude of redundant deployment modes.

SR devices work effectively alongside VPN servers or firewalls. The SR products install on the LAN side of the security device and optimize traffic before it is encrypted.

The SR platforms feature a 10-minute installation process which uses a web-based wizard. IT can make installation even easier by using the auto-deployment feature of the SRS software combined with PeriScope CMS software. IT defines centralized configuration templates and notes which locations will use them, and SR products in branch offices just boot up, obtain a network address, locate CMS server through the domain name service (DNS), request and download a configuration from PeriScope CMS software, and begin operation.

IT can use the embedded secure WebView or CLI to manage each device separately, or they can also use PeriScope CMS software to monitor multiple SR devices as a collection.

SR products are available in a range of capacities. The product family includes the SR-15, SR-20, SR-50/55, SR-80, and SR-100, and they all interoperate with the Sequence Mirror™ (SM™) products. They provide a range of compressed output, from 64 Kbps to 155 Mbps rates. The SR products also differ in the number of remote sites they can link to, ranging from two to 2000. Multiple communities of SR units can be configured to support an unlimited number of locations.



Peribit Sequence Reducer Deployment
Sequence Reducer products are deployed on the LAN side of the WAN router, supporting flexible deployment options.

peribit

SPECIFICATIONS	SR-15	SR-20	SR-50	SR-55	SR-80	SR-100
PERFORMANCE						
Total reduction throughput speed	Up to 1 Mbps	Up to 2 Mbps	Up to 20 Mbps	Up to 20 Mbps	Up to 20 Mbps	Up to 155 Mbps
Number of connections to other Sequence Reducers	Up to 2	Up to 5	Up to 120	Up to 120	Up to 320	Up to 2,000
CONNECTIONS						
Number of network interfaces	Two 10/100 copper ports	Two 10/100 copper ports	Two 10/100 copper ports	Two 10/100/1000 copper ports	Two 10/100/1000 copper or LC multimode fiber ports	Two 10/100/1000 copper or LC multimode fiber ports
Client connections	N/A	N/A	N/A	N/A	N/A	Up to six 10/100/1000 copper ports
POWER						
Dual, hot-swappable power supplies	No	No	No	No	Yes	Yes
Power requirement	110-240VAC, 47-63Hz, 50 Watts max or 170 BTU/hr.	110-240VAC, 47-63Hz, 150 Watts max or 510 BTU/hr.	110-240VAC, 47-63Hz, 150 Watts max or 510 BTU/hr.	110-240VAC, 47-63Hz, 150 Watts max or 510 BTU/hr.	110-240VAC, 47-63Hz, 250 Watts max or 850 BTU/hr.	110-240VAC, 47-63Hz, 250 Watts max or 850 BTU/hr.
DIMENSIONS AND WEIGHT						
Height	1.8 in. (45 mm): 1 rack unit	1.8 in. (45 mm): 1 rack unit	3.44 in. (88 mm): 2 rack units	3.44 in. (88 mm): 2 rack units	3.44 in. (88 mm): 2 rack units	3.44 in. (88 mm): 2 rack units
Width	16 in. (406 mm)	17.1 in. (435 mm)	17.1 in. (435 mm)	17.1 in. (435 mm)	17.1 in. (435 mm)	17.1 in. (435 mm)
Depth	9.5 in. (242 mm)	14.3 in. (363 mm)	16.7 in. (425 mm)	16.7 in. (425 mm)	20.6 in. (524 mm)	20.6 in. (524 mm)
Weight	4 lb. (2 kg)	19 lb. (8.6 kg)	20.2 lb. (9.2 kg)	20.2 lb. (9.2 kg)	30 lb. (13.6 kg)	30 lb. (13.6 kg)

SPECIFICATIONS	SEQUENCE REDUCER FAMILY FUNCTIONS
PRODUCT FEATURES	
Protocols supported	Any IP-based traffic (TCP, UDP, etc.)
Operator-defined pass-through filter	By application or address; pass-through traffic sent at wire speed
NETWORK INTEGRATION	
In-Line Mode	Installs in line between aggregation switch and edge router
Packet-Interception Mode	Direct attachment to router or switch using RIPv2, WCCPv2, or External Mode
DEVICE MANAGEMENT	
SNMP, syslog	SNMPv2c, MIB II, Peribit Enterprise MIB local syslog
Secure remote access	SSH and HTTPS (SSL)
Authentication, Authorization & Accounting	AAA local database and RADIUS support
DEVICE MONITORING	
Reduction statistics	Per SR device, per application, and per destination; real-time and historical
QoS, bandwidth management	Per destination, per traffic class; real-time and historical
Acceleration	Per destination, per traffic class; real-time and historical
Data export	CSV format and NetFlow v5 records
Application reporting	Detail by IP addresses, port numbers, IP protocol, DSCP/ToS value; greater detail by URL element or Citrix application type
HIGH AVAILABILITY	
Fault-tolerant non-stop operation	Auto switch-to-wire on any power, hardware, or software failure
High-availability options	Multi-node for in line and redundant active standby for packet interception
Network upgradeable	Via FTP, HTTP, and TFTP
OPERATING ENVIRONMENT	
Temperature	41° F to 104° F (5° C to 40° C)
Humidity	Less than 90% relative humidity, non-condensing
REGULATIONS	
Emissions	FCC Class A, EN 55022 Class A, EN 55024 Immunity
Safety	CSA C22.2 No. 950 M95, UL 1950 3 Edition, EN 60950

Peribit Networks, Inc. | www.peribit.com | 1.866.PERIBIT | 1.408.330.5600