SMART/RG®

forward thinking

Gateways / SR808ac
DOCSIS 3.0 24x8 AC1900 Wireless Cable Gateway

The SmartRG® SR808ac is an advanced DOCSIS® 3.0 Wireless Cable Gateway, incorporating 24x8 Channel bonding, a 4-port Gigabit Router, High-Power 802.11ac wireless networking -- all built into a single device capable of supporting both residential and small office applications.

The SR808ac is CableLabs® certified for DOCSIS® 3.0 and, through advanced channel-bonding technology, delivers speeds up to 24x faster than DOCSIS® 2.0, while maintaining full backward compatibility with DOCSIS® 2.0, 1.1, and 1.0.

The SR808ac is ideal for the Service Provider looking for a best-in-class converged DOCSIS CPE solution providing maximum performance & reliability, along with industry-leading TR-069 Remote Management.

/HIGHLIGHTS

24x8 Bonding
With DOCSIS 3.0 24x8 Channel Bonding, the SR808ac is capable of providing Downstream bonding links up to 24x faster than DOCSIS 2.0, and up to 8x-20x faster than previous generation DOCSIS 3.0 devices! The SR808ac also provides up to 8x faster Upstream bonding than DOCSIS 2.0, and up to 4x faster than previous generation DOCSIS 3.0 modems.

High Power 802.11ac AC1900 Wi-Fi
SR808ac provides best-in-class WiFi performance and range, incorporating robust, High-Power, Low Noise Amplifiers (LNAs), along with Dual Band 2.4GHz and 5Ghz AC1900 3x3 MIMO Radios with SmartRG AccuBeam™ Technology.

/ FEATURES

- 24x8 channel bonding
- Download Link up to 1Gbps (24x42Mbps).
- 4 Gigabit Ethernet ports
- High Power Dual Band 802.11ac AC1900 Access Point
- One USB 2.0 ports
- WPS

/ BUILT-IN SUPPORT

- Full-band capture for non-contiguous bonding
- IPv6, Dual-Stack, Dual-Stack Lite
- eCOS + Linux O.S. Modular Firmware Architecture
- K.21 Enhanced Lightning protection
- IPSec VPN Termination

/ PRODUCT FEATURES

DOCSIS®
DOCSIS®3.0 24x8
with 2.0, 1.1, 1.0 backward compatibility

Wireless
Dual Band 802.11ac AC1900 AP with 3x3 MIMO
High Power FEMs
Guest SSID
Wireless bridge, WDS
Hotspot 2.0 Capable
WiFi QoS (WMM) and PowerSave
Wireless Security:

- Wi-Fi Protected Access (WPA, WPA2)
- AES, TKIP, WEP encryption
- 802.1x authentication

Routing and Networking
NAPT and NAT
RFC3489 (STUN) Port-restricted Cone NAT
RIPv2 with MD5 authentication
IGMPv3 (Multicast)
DNS Proxy and/or remote
IPSec VPN tunnel endpoint

Security
Stateful Packet Inspection Firewall
Denial of Service attack prevention
TCP/IP/Port/interface
MAC Layer Filtering
WAN Blocking

Management
SmartRG Industry-leading TR-069 Support
TR-181 CWMP Client
SNMP
SSH/telnet
HTTP/HTTPs

/ SPECIFICATIONS AND STANDARDS

	Downstream	Upstream
Frequency Range	108 - 1002 MHz	5 - 85MHz
Channel Bandwidth	8 MHz	200 KHz - 6.4 MHz
Capture Bandwidth	Full Band Capture	Full Band Capture
Modulation	64/256 QAM	A-TDMA/S-CDMA: QPSK 8/16/32/64/128QAM
Max Data Rate per channel (Mbps)	64 QAM: 30.34 256 QAM: 42.88	QPSK: 2.6 16 QAM: 20.5 32 QAM: 25.6 64 QAM: 30.7

Dimensions:
8.7in (220mm)* 1.8in (45mm) * 8.3in (210mm) (L*W*H)

Weight: 500g

Electrical
AC power adapter: 100VAC-240VAC @ 50/60Hz
DC output: 12V @ 3A
Maximum Power Consumption: 30 watts

Data Ports:
10/100/1000TX RJ-45 Ethernet (4)
USB 2.0 (1)

RF Port:
Female "F" type @ 75Ω

EMC / Safety / Environmental
FCC and Industry Canada Certified, ETL listed

Environmental
RoHS compliant

Overvoltage/Overcurrent:
ITU-T K.21 Enhanced Mode (4kV)

Temperature:
0° to 40° C (Standard Operating)
-40° to 70° C (Non-operating)

Humidity:
10% to 90% (Non-condensing, Standard Operating)
5% to 95% (Non-condensing, Non-operating)

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