

# SMART/RG<sup>®</sup>

forward thinking

AnyWAN™ Gateways / SR905acv  
FTTH/ETHERNET IAD + 5-Port Dual-Band 11ac WiFi

POWERED BY  
**SMART/OS™**



THE SR905acv AnyWAN GATEWAY provides high performance and flexibility for broadband triple-play subscribers, effectively bridging the gap between copper and fiber.

Leveraging the latest Intel silicon solutions paired with SmartRG's industry-leading, open-source based SmartOS™ SDN/NFV-ready software platform, the SR905acv is the ultimate gateway for the connected home.

Blazing fast WiFi performance is delivered by a 802.11ac Wave 2 Dual-band Access Point, fully enabling delivery of triple play services over WiFi and delivering best-in-class speeds and reach within the home or place of business.

Pair the SR905acv with SmartRG's cloud-enabled Home Analytics™ and Device Manager™ for world-class customer experience delivery and comprehensive remote management.

## / HIGHLIGHTS

### Speed to Burn and Room to Grow

With its quad-core Intel CPU and twin 802.11ac WiFi chipsets, each with 100% CPU Offload, the SR905acv has the power to manage whatever you throw at it without breaking a sweat, making it an excellent platform for the value-added applications Service Providers and their customers care about, like media-sharing, Parental Control, home-automation, and advanced analytics. Best-in-class WiFi throughput at high-client loads and small packet sizes delivers superior subscriber WiFi experiences even in the most challenging environments with high WiFi client counts in tomorrow's IoT-rich homes.

### AnyWAN™

The SR905acv offers the ultimate in flexibility to Service Providers. The integrated SFP slot permits the use of any approved SFP module (e.g. GPON, Point-to-Point Active Ethernet) and the SR905acv is transformed into a Gigabit FTTH Gateway - no costly ONT needed!

## / FEATURES

- 5 Gigabit Ethernet ports
- Dual-band 802.11ac Wave 2 Access Point
  - 4x4 MU-MIMO @ 5GHz
  - 4x4 SU-MIMO @ 2.4GHz
- SFP slot for Gigabit FTTH broadband access
- Two USB 3.0 ports
- Two SIP-enabled FXS ports

## / BUILT-IN SUPPORT

- True, 1Gbps symmetric NAT throughput
- AnyClient™ beamforming to any 802.11 device
- Up to 64 clients per WiFi radio – best in class performance at scale
- Advanced WiFi Analytics and QoS
- Hardware Acceleration for true Gigabit performance
- K.21 Lightning protection

## / PRODUCT FEATURES

### Interfaces

4 x 1000BASE-TX Gigabit LAN ports  
1 x 1000BASE-TX Gigabit WAN port  
1 x SFP WAN port  
2 x RJ11 FXS ports (SIP)  
2 x USB 3.0 ports

### Wireless

802.11ac 5GHz 1.3Gbps Wi-Fi Access Point  
• 3x3 MIMO @ 400mW EIRP  
802.11n 2.4GHz 600Mbps Wi-Fi Access Point  
• 3x3 MIMO @ 400mW EIRP  
AnyClient™ beamforming for any 11a/b/g/n/ac device  
Multiple SSIDs, including isolated Guest SSID  
Wi-Fi QoS (WMM®) and WMM®- Power Save  
Wi-Fi Protected Setup™ 2  
WPA2, AES encryption  
100% CPU Offload (Zero Wi-Fi processing on CPU)  
DFS (Dynamic Frequency Selection)  
802.11k/r/v for Whole-home WiFi roaming assist

### Routing & Networking

RFC2516 PPPoE and PPPoE pass-through  
RFC2684 Multiprotocol Encapsulation over ATM  
RFC2364 PPPoA  
802.1Q VLAN  
DNS Proxy Server & Dynamic DNS client  
DHCP Server and Client  
DHCP Options 60 and 121  
NAPT and NAT  
IGMPv2/v3 Proxy and Snooping  
LAN port to VLAN mapping  
SmartQoS with Bufferbloat protection  
USB Samba/DLNA/UPnP

### Remote Management

SmartRG Home Analytics™  
SmartRG Device Manager™  
TR-069 with TR-181 Device Data Model  
HTTP/HTTPS, SSH, and SNMP  
Syslog logging (local/remote)  
Real-time Status and Reporting  
Remote/Live Updates  
Configuration Backup and Restore  
Custom Defaults & Themes

### Security

Secure Boot, Encapsulated Core, ISEC Intel Security  
Stateful Packet Inspection Firewall  
Denial of Service attack prevention  
Malware blackholing  
TCP/IP/Port/interface filtering rules

### VoIP

SIP/RTP/RTCP/SDP  
Outbound Proxy  
Fax/modem passthrough & ITU-T T.38 Fax Relay  
RFC2833 DTMF tone detection/generation  
ITU-T G.168 Echo Cancellation  
Silence Suppression (VAD-DTX-CNG)  
G.711  $\mu$ -law and A-law codecs

## / SPECIFICATIONS AND STANDARDS

### Mechanical

Dimensions: 259mm\*206mm\*54mm (W\*H\*D)  
Weight: 550g

### Electrical

AC power adapter: 100 to 240VAC @ 50/60Hz  
DC voltage: 12V, 3A

### Safety & Certifications

FCC Part 15, Subpart B and ICES-003 for Class B  
FCC Part 15, Subparts C & E and ISED RSS-247 for RF  
FCC Part 68 and ISED CS-03 registered  
UL 60950-1 (Bureau Veritas listed)  
Overvoltage/Overcurrent: K.21 compliant

### Environmental

Meets or exceeds Telcordia GR-63-CORE for:

#### Temperature:

- 0° to 45°C (Standard Operating)
- -40° to 70°C (Non-operating)

#### Humidity:

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

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