

SMART/RG

An ADTRAN Company

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

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

ORDERING INFORMATION

EQUIPMENT: SRG CPE-SR905ACV
PART NUMBER: 17600131F1

/ 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 4x4 MU-MIMO WiFi Access Point
802.11n 2.4GHz 4x4 SU-MIMO WiFi Access Point 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
Supports TPC
Conforms to FCC, IC and CE
**RF PERFORMANCE WITHIN VARIOUS
REGULATORY DOMAINS: EGYPT**
2.4 GHz band: 2.400 - 2.4835 GHz
5 GHz band: 5.150 - 5.350 GHz
Wi-Fi Maximum Transmit Power (Software controlled) – EIRP
• 2.4 GHz: 20 dBm (100 mW)
• 5 GHz :23 dBm (200 mW)
Wi-Fi Channel Bandwidth (Software controlled)
• 2.4 GHz: 20 MHz
• 5 GHz : 20 MHz

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 μ -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 ISSED RSS-247 for RF
FCC Part 68 and ISSED CS-03 registered
UL 60950-1 (Bureau Veritas listed)
Overvoltage/Overcurrent: K.21 compliant
Conforms to FCC, IC and CE

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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