

SMART/RG®

An ADTRAN Company

Gateways / SR400ac-EG

Broadband Wi-Fi Router Dual-Band Gigabit



THE SR400ac BROADBAND GATEWAY provides high performance and flexibility for Broadband and IPTV subscribers. The SR400ac is a carrier-grade Ethernet router, equipped with a Gigabit Ethernet WAN port, a Dual-Band Wi-Fi Access Point using the latest 802.11ac technology, and four Gigabit Ethernet ports for LAN connection.

The SR400ac's Dual-Band Wi-Fi technology simultaneously uses both the 2.4GHz and 5GHz bands via six internal high-gain antennas fed by six individual high-power amplifiers. Coupled with the SmartRG AccuBeam™ technology, the SR400ac delivers never-before-seen wireless speeds as well as whole-home coverage, even in periods of heavy network use.

Engineered in North America, the SR400ac's software is designed for service providers that require carrier-grade performance, reliability, and firmware flexibility in their broadband access gateways. Native support for IPv6, multicast traffic handling for IPTV, dynamic Quality of Service, and TR-069 remote management are standard features. Out-of-the-box, the SR400ac offers outstanding interoperability with industry-leading TR-069 remote management systems.

/ HIGHLIGHTS

Speed to Burn and Room to Grow

With its dual-core ARM Cortex-A9 CPU and twin 802.11ac chipsets, each with CPU Offload, the SR400ac 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 integrated media-sharing, home-automation, and advanced diagnostics, to name a few.

TR-069 Remote Management

SmartRG has a rich TR-069 heritage, leading the market in innovative cloud-based services and solutions. Superior remote manageability and advanced SDN+NFV capabilities reduce Service Provider operational expenses and maintenance costs.

Video Grade

Regardless of your IPTV middleware platform, the SR400ac comes fully equipped for the task, with features such as IGMPv2/v3/MLD Snooping and Proxy, Advanced Multicast traffic handling, and dynamic/static VLAN mapping/tagging. The SR400ac assures Quality of Service is maintained in the triple play environment, delivering an exceptional UHD IPTV experience.

/ FEATURES

- 5 Gigabit Ethernet ports (4 LAN + 1 WAN)
- 1.9Gbps Dual-band 802.11ac/11n AP with High Output Power
- 5Gbps USB 3.0 port + USB 2.0 port

/ BUILT-IN SUPPORT

- Native IPv6, Dual-Stack, DS-Lite, and 6RD transition mechanisms
- SmartRG AccuBeam™ delivers upgraded Wi-Fi performance everywhere in the home
- Zero-touch QoS with Active Queue Management
- Wireless Insight™ quickly diagnoses WiFi issues within the home
- DLNA/NAS media-sharing + 3G/4G WAN failover via USB ports
- TR-069 Device Management
- TR-181 Data Model
- Managed WiFi
- TR-069 Captive Portal

ORDERING INFORMATION

EQUIPMENT: SRG CPE-SR400AC
PART NUMBER: 17600020F1

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/ PRODUCT FEATURES

Interfaces

Four 10/100/1000 Gigabit LAN ports
One 10/100/1000 Gigabit WAN port
One USB 3.0 port & one USB 2.0 port

Wireless

802.11ac 5GHz 1.3Gbps Wi-Fi Access Point

- 3x3 MIMO

802.11n 2.4GHz 600Mbps Wi-Fi Access Point

- 3x3 MIMO

SmartConnect™ Client Steering
Intelligent Airtime Scheduling™
AnyBeam™ 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™
HotSpot 2.0
Wireless bridge, WDS
WPA2, AES/TKIP/WEP encryption
802.1x authentication and MAC-based filtering
100% CPU Offload (no Wi-Fi processing on CPU)
Supports DFS channels
Supports TPC

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

Remote Management

TR-069 Device Management
TR-181 Device Data Model
TR-111 LAN Device Management
Automatic Subscriber Activation
HTTP/HTTPS, Telnet, SSH, TFTP and SNMP management
Syslog logging (local/remote)
Real-time Status and Reporting
Remote Firmware Upgrades
Configuration Backup and Restore
Value-added service provisioning (IPTV, VoIP, Parental Controls)
Custom Factory Defaults

Security

Stateful Packet Inspection Firewall
Denial of Service attack prevention
TCP/IP/Port/interface filtering rules
MAC Layer Filtering
Day-time Parental Control
DMZ host
Advanced DMZ

Routing and Networking

RFC2516 PPPoE
PPPoE pass-through
802.1Q VLAN
DNS Proxy Server
Dynamic DNS client
DHCP Server and Client and Relay
DHCP Options 60 and 121
NAPT and NAT
IGMPv2/v3 Proxy and Snooping
RIP v1/v2
LAN port to VLAN mapping
Multiple Service VLAN
Broadstream™ iQoS

/ SPECIFICATIONS & STANDARDS

Mechanical

Dimensions: 225mm*60mm*175mm (W*H*D)

Weight: 580g

Electrical

Power Requirements:

AC power adapter: 100 to 240VAC @ 50/60Hz

DC voltage: 12V, 3.0A

Safety & Certifications

FCC Part 15, Subpart B and ICES-003 for Class B

ETL listed

Wi-Fi Alliance Certified

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)

Altitude:

@ 40°C Ambient: 60m below sea level to 1800m above

@ 30°C Ambient: 1800m to 4000m above sea level