THE SR505N DSL/FTTH GATEWAY provides high performance and flexibility for broadband and IPTV subscribers. Utilizing the latest Broadcom VDSL2 chipset, the SR505N offers increased packet processing performance, a highly-integrated Dual-Band 802.11n WiFi Access Point with internal antenna array, while consuming less power than previous generation VDSL2 gateways. The SR505N can be used as a DSL or Ethernet gateway, and includes a router, firewall, and TR-069 management.

The SR505N is designed with ease of deployment in mind. The Automatic Broadband Connection feature eliminates the need for an installation CD or manual configuration and, if you decide to deploy a remote management solution, the SR505N offers maximum interoperability with industry-leading TR-069 remote management systems.

For further information, email us at Sales@SmartRG.com.

IPv6 Enabled
Support for IPv6/IPv4 Dual Stack, IPv6 Rapid Deployment (6RD) and Dual-Stack Lite (DS-Lite) transition mechanisms. The SR505N supports IPv6 out-of-the-box today and protects Service Provider and customer investment for years to come.

Vectoring
With integrated support for the ITU-T’s new G.993.5 Vectoring specification, the SR505N works in conjunction with vectoring-enabled DSLAMs to remove crosstalk interference, allowing lines to reach their full bandwidth potential, as if they were the only line in the cable binder.

TR-069 Remote Management
SmartRG has a rich TR-069 heritage, leading the market in innovative TR-069-enabled services and solutions. Superior remote manageability reduces Service Provider operational expenses and maintenance costs.

IPTV Grade
With features such as dedicated hardware accelerator engines for wire-speed packet processing and Large Send Offload, Broadcom PhyR™/G.inp, advanced IGMP/Multicast traffic handling, and dynamic/static LAN port-to-PVC mapping, the SR505N delivers the high throughput at low bit error rate required when delivering HD IPTV services over copper and assures Quality of Service is maintained in the triple play environment.
**PRODUCT FEATURES**

**DSL**
ITU-T G.993.1 (VDSL)
ITU-T G.993.2 (VDSL2)
ITU-T G.993.5 (G.vector)
ITU-T G.992.5 (ADSL2+)
ITU-T G.992.3 (ADSL2)
Annex L (Reach Extended ADSL2)
Annex M (Extended Upstream Bandwidth)
ITU-T G.998.4 (G.lmp) & Broadcom Phy™ Impulse Noise Protection
SRA (Seamless Rate Adaptation)
ITU-T G.992.1 (G.dmt) & ITU-T G.992.2 (G.lite)
ANSI T1.413 Issue 2

**WAN**
Packet Transfer Mode (PTM) in both VDSL2 and ADSL2+
Up to 16 ATM PVCs or 8 PTM flows
Per-PVC packet level QoS
Supports UBR, VBR and CBR traffic shaping
DiffServ and 802.1Q prioritization

**Routing and Networking**
RFC2684 Multiprotocol Encapsulation over ATM
RFC2364 PPPoA
RFC2516 PPPoE
PPPoE pass-through
802.1Q VLAN over RFC2684 bridge encapsulation
IP over Ethernet over AAL5
DNS Proxy
DHCP Server and Client
DHCP Relay
NAPT and NAT
IGMP Proxy and Snooping
RIPv1/v2
LAN port to VC mapping
Multiple Protocol VLAN Mux
Multiple Service PVC
IP/Bridge/802.1p QoS
Port Mirroring for troubleshooting

**SPECIFICATIONS & STANDARDS**

**Mechanical**
Dimensions: 154mm*58mm*152mm (W*D*H)
Weight: 227g

**Electrical**

**Power Requirements:**
The SR505N uses an AC adapter that supplies DC voltages
AC power adaptor: 100VAC-240VAC
DC voltage: 12V, 1.25A

**Heat & Power Dissipation:**
Power: < 15W

**Electromagnetic Compatibility**
Certified with FCC, compliant with ETSI standards.

**Environmental**

**Overvoltage/Overcurrent:**
ITU-T K.21 Compliant

**Temperature:**
0 to 55 degrees C (Standard Operating)
20 to 70 degree C (Non-operating)

**Humidity:**
0% to 95% (Non-condensing, Standard Operating)
5% to 95% (Non-condensing, Non-operating)

**Vibration:** IEC 68-2-36, IEC 68-2-6

**Shock:** IEC 68-2-29

**Drop:** IEC 68-2-32

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