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MODEL

DG1660A

TOUCHSTONE® DOCSIS® 3.0 RESIDENTIAL GATEWAY

ARRIS™

ARRIS
RoHS Compliant
GREEN

Dual Band 802.11n with 4 Port Router

Configuration

- 16x4 Channel Bonding
- Full Capture Bandwidth Tuner
- Multi Processor Technology for Highest Performance
- Intel Atom Core Application Processor
- DOCSIS® 3.0 and PacketCable™ 2.0 compliant design
- 4 port Gigabit Ethernet Wireless Router
- 3x3 Integrated Dual Band Concurrent 2.4GHz and 5GHz 802.11n radios with Beam Forming
- USB 2.0 Host Port
- Upcoming support for DLNA and File Storage
- Dual Stack IPv4/IPv6 Home Router
- Internal Power Supply for Highest Reliability

Application

The ARRIS DOCSIS 3.0 Residential Gateway DG1660 combines a 4-port Gigabit Router, MoCA and a Dual Band 802.11n wireless access point into a single integrated device. Using Intel's multi-processor technology, the DG1660 can achieve high bandwidth performance across multiple interfaces. This feature-packed unit is intended to serve as the hub of the subscribers network, connecting all IP capable devices (Internet, Data, Voice and Video) throughout the customers premises. The DG1660 will continue to lead the future for these advanced home and small office services.

Performance

Operators want to push the limits on DOCSIS 3.0 performance and the user experience delivered to the customer. The DG1660 with its 802.11n Dual Band Wireless radios, USB, and Ethernet interfaces can deliver superior high speed performance with significant improvements in home coverage from earlier models.

Maintenance

Residential gateway support has always been a concern of the operator. The DG1660 distinguishes itself with capabilities to minimize support needs. Multiple provisioning methods (SNMP, Configuration File, Remote WebGUI access, TFTP, and TR-069) allow a custom designed setup to be applied to the end user more efficiently. Multiple local and remote access levels (User, Admin) also allow more ease and flexibility for manual configuration and control.

Energy Management and Conservation

To lower the operational costs, ARRIS has incorporated technologies that will also realize significant cost savings to the end consumer in energy consumption over the life of the product.

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- DOCSIS® 3.0 compliant designs
- Up to 16 downstream and 4 upstream channel bonding
- Full Capture Bandwidth Tuning capability
- High performance Wi-fi® Alliance certified 802.11a/b/g/n wireless access point
- Dual Band Concurrent radios for 2.4GHz and 5GHz operation
- Internal 3x3 MIMO antenna per radio configuration for optimal throughput and coverage
- Supports 802.11n Beam Forming
- High Speed Internet via 4 ports 10/100/1000Base-T Ethernet (RJ-45)
- All ports Auto-negotiation, auto speed sensing and Auto MDI/X
- Multiple (8) SSID Support per radio
- WPA™ and WPA2™ Personal and Enterprise, 64/ 128 bit WEP, and MAC authentication wireless security options
- Support for WMM® QOS, and WMM Power Save
- Wi-Fi Protected Setup™ (facilitates easy set-up of security using a Personal Identification Number (PIN) and/or a button located on the Wi-Fi device)
- Planned feature support for DLNA and File Storage.
- USB 2.0 Embedded Host port
- Support for Dual Stack IPv4/IPv6 Home Router, Static and Dynamic IP, DHCP, NAT, L2TP, VLAN's and RIP
- Integrated Universal Power Supply for Higher Reliability
- Compact footprint with advanced styling
- Reduced front LED's to improve in home appearance

USB 2.0 Host Port

4 ports 10/100/1000

Internal Supply

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