

UltraLine® Series3 MoCA Gateway

MoCA-enabled Digital Home Controller

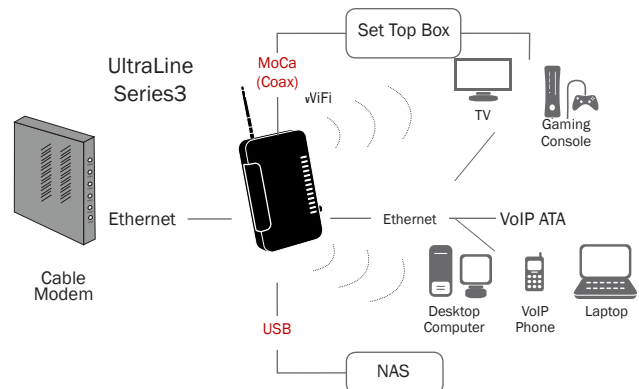


The UltraLine® Series3 MoCA Gateway is more than just a powerful wireless router. It combines previously disparate technologies into one integrated, high-performance residential gateway that delivers the most comprehensive set of broadband services and content distribution, including IPTV, DVR, local media sharing, home monitoring, home control and remote device management.

The UltraLine® Series3, with WireSpeed® routing technology, is one of the only residential gateways in its class with a highly integrated System-on-Chip (SoC) processor optimized for wired and wireless applications. The dual-core microprocessor employs two powerful CPUs that can be individually programmed to simultaneously support a wide range of consumer applications. Dual-core processing power not only delivers the best possible IP and DVR video, but it also enables integration of supplementary applications such as media sharing, home monitoring, Voice over IP (VoIP), and remote device management. These supplementary applications offer service providers a platform to deliver new broadband services that drive new revenue streams while increasing subscriber satisfaction and retention.

Product Highlights

- MoCA digital coaxial interface offers an easy-to-install, no cost means to distribute IP video, DVR content, personal media and other broadband services throughout the home, with no new wiring
- WireSpeed® routing technology, with dual-core microprocessors, supports simultaneous delivery of high-bandwidth applications and enables nearly 200,000 packets per second performance
- Embedded application support for Home Control, Monitoring and Security
- Context-driven interface provides unrivaled user experience across connected devices, including television, computer, and smartphone
- Intelligent smart antenna system maximizes wireless reach and minimizes wireless interference



UltraLine® Series3

In addition to unparalleled routing performance, reliable, high-speed wireless coverage is critical to many emerging services such as IP video and media sharing. The UltraLine® Series3's integrated smart antenna ensures ample Wi-Fi coverage and bandwidth and prevents wireless interference from typical sources such as cordless telephone systems. For maximum performance, the UltraLine® Series3 employs 802.11n wireless with multiple antennas. It can also support two wireless interfaces, 802.11g and 802.11n, allowing for backward compatibility with existing 802.11g- and 802.11b-based devices, without sacrificing 802.11n performance.

The UltraLine® Series3 also unlocks the power of the connected home through the integrated media coordinator application, which empowers the user to share media, monitor the home and control home appliances. This new enhancement enables the user or the service provider to diagnose problems in real time.

Product Specifications

Interfaces

- Four 10/100 Ethernet LAN (Gigabit optional)
- One 10/100 Ethernet WAN (Gigabit optional)
- One MoCA Coax LAN
- USB 2.0
- Wireless
 - 802.11b/g (with frame bursting)
 - Dual Band 802.11n (optional)
 - Security
 - 802.1x/PSK Authentication
 - Wi-Fi Protected Access (WPA/WPA2)
 - WEP
 - Supports legacy devices and mixed mode or 802.11n only modes
 - Wireless Multimedia (WMM)
 - Multiple SSIDs for virtual APs
 - Support for RADIUS authentication

Networking Services

- DHCP, PPPoE, DNS, Dynamic DNS, NTP, VLAN, QoS/Diffserv, 802.1q

Routing and Bridging

- NAT (Network Address Translation)
 - Port triggering/mapping
- Bridging support
- IGMPv1/v2/v3

Supported Browsers

- Internet Explorer 6, 7
- Firefox 1.0.7 or later
- Safari 2.x

Management

- Web-based management
 - "CD-less" installation support
 - Multiple user support
 - Multilingual interface
 - Secure login
- Telnet server
- System statistics and monitoring
- System log (Syslog Server support)

Upgradeability

- Remote/unattended software upgrades
- Firmware "Safety Back-up" Feature

Firewall and Security

- ICSA compliant with Stateful Packet Inspection (SPI)
- Simple pre-defined security policies
- Denial of Service (DoS) and intrusion protection
- Demilitarized Zone (DMZ)
- VPN (IPSec) termination
- Pass-through (IPSec, PPTP, L2TP) and IKE
- Encryption (AES, DES, 3DES)

Management Standards Compliance

- TR-069/TR-064/TR-098/TR-104
 - Motive/Alcatel
- FCC Class B, Wi-Fi Certified

Application Support

- UPnP (Universal Plug & Play)
 - Auto-configuration & port forwarding
- Internet Gateway Device (IGD)
- DLNA 1.5 Server
- Internet Gaming Support
 - Xbox Live Compatibility

Compatible Home Control Devices

- Any IP camera (UPnP support needed for auto-discovery)
- Intermatic *HomeSettings* Z-Wave product line
- Z-Wave compliant lighting devices
- Z-Wave compliant motion detectors
- Z-Wave compliant thermostats
- Echelon *LonWorks ISI* compliant devices

Home Control Protocol Support

- Echelon Lon Works (ANSI/EIA 709.1) powerline networking
- Wireless Z-Wave mesh networking
- Wireless ZigBee (802.15) mesh networking

Physical Specifications

- Size (W x H x D): 24.3 x 4.5 x 14.5 (cm)
- Weight: 1.7 lbs (approx)

*The UltraLine Series3 is based on an IEEE 802.11n draft specification.

Specifications subject to change without notice.

Corporate Headquarters
Westell, Inc. USA
750 N. Commons Drive
Aurora, Illinois 60504
1-800-323-6883
www.westell.com

European Headquarters
Westell Ltd., U.K.
Ringway House, Bell Road, Daneshill
Basingstoke, RG248FB, United Kingdom
+44 1256 843311
www.westell.co.uk

