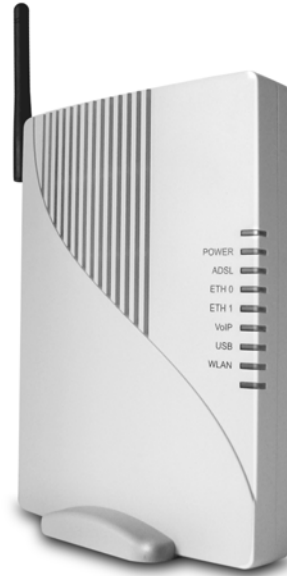


Discus™ DRG A223G



Combining an ADSL2+ WAN interface with a wide choice of LAN interfaces (Wi-Fi, FXS, USB and ETH) the Discus™ DRG A223G offers an integrated feature-rich platform for the distribution of your triple/quad-play services.

The Discus™ DRG A223G is an advanced Residential Gateway that provides the most comprehensive set of interfaces and features to address the needs of bundled, triple-play and converged services.

Thanks to its advanced networking and QoS capabilities, the Discus™ DRG A223G supports a wide range of applications such as wired/wireless data, VoIP, dual-mode/fixed-mobile convergence and IPTV. DRG A223G features a high performance WiFi interface.

Discus™ DRG A223G software can be customized by Pirelli to suit your specific functional and service requirements.

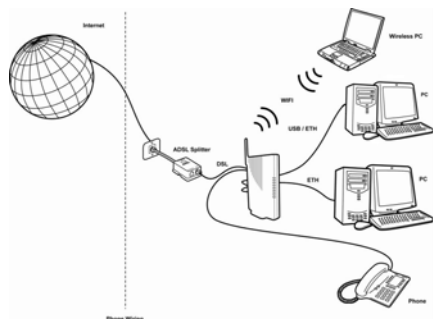
Plus, DRG A223G comes with a multi-language graphical user interface.

- ADSL 2/2+
- 2 Ethernet 10/100 Base-T
- 1 FXS
- Wireless 802.11 b/g
- 1 USB device

Discus™ DRG A223G fully complies with the DSL Forum TR-069 protocol which permits remote management. The DRG Gateways family can seamlessly integrate within Pirelli's technology bundle for quadruple play services, which comprises:

- Pirelli's H.264 HDTV Set Top Boxes
- Pirelli's DEX W/P Extenders for video home networking
- Pirelli's SIP GSM / WLAN Dual Mode Phones
- Pirelli's Remote Management Platform (PMP), which includes ACS capabilities for TR-069 devices.

Discus™ DRG A223G



LEDs

Power
Wi-Fi
Ethernet links
ADSL
VoIP
USB link

Buttons

1 x Reset Button

Power Adapter

INPUT: 230Vac 50 Hz
OUTPUT: 15Vdc 0.8 A

Environmental Specifications

Temperature:
• Operating: 0 to 40 °C
• Non Operating: -20 to 65 °C
Relative Humidity:
• Operating: 10% to 90% non-condensing
• Non Operating: 5% to 95% non-condensing

Agency Approvals and Certifications

CE mark
ITU-T K21*
Wi-Fi certification (by Wi-Fi alliance)
RoHS
WEEE

Physical Specifications

159mm (W) x 147mm (D) x 33mm(H)

Standard Package Content

DRG A223G
Power adapter
N°1 Ethernet CAT5 cable RJ-45 plug (Yellow)
N°1 USB cable (Blue)
N°1 Phone cable RJ-11 plug (ADSL) (Gray)
CD
Safety leaflet

(*): optional on request

MAIN FEATURES

WAN interface	1 ADSL Line port (RJ-11 plug) supporting the following standards: <ul style="list-style-type: none"> ADSL (G.992.1, G992.2, T1.413, G994.1, .997.1) ADSL2 (G.992.3) ADSL2+ (G992.5)
LAN interface	N° 2 10/100BASE-T Ethernet ports (RJ-45 plug), compliant IEEE 802.3, with auto MDIX and auto-negotiation. Ports can be configured in order to be dedicated to video traffic to/from a STB N° 1 USB Device v1.1
Wireless Interface	Wi-Fi access point solution is compliant with: <ul style="list-style-type: none"> IEEE 802.11b/g WPA/WPA2 (IEEE 802.11i) WMM (IEEE 802.11e) N°1 external antennas
DSL (ATM) features	AAL5 (ITU-T I.363.5) UBR, VBR-nrt, VBR-rt, CBR traffic classes Multiple VC/PPP connections Multi-protocol encapsulation over AAL5, RFCs 2684 Up to 8 PVC Pre-emptive SAR Multiple physical queues (up to 8) per traffic class, with priority-based scheduling support* OAM (ITU-T I.610) – F4, F5 – Loop-back Encapsulation modes in ATM stack: LLC SNAP and VC-Mux
WAN Protocol Encapsulation	Bridged/Routed Ethernet over ATM (RFC 2684 / RFC 1483) PPP over Ethernet (RFC 2516) PPP over ATM (RFC 2364) IP over ATM (RFC 1577) Multiple PPPoE connections on a single VC MTU settable
Routing / Bridging	RIP v1/v2 and static routing NAT/NAPT, RFCs 3022 DHCP Server/Client/Relay DNS relay VPN pass-through IPv4 Application Level Gateway (ALGs) modules NTP IGMPv2 proxy Transparent Bridging (IEEE802.1d)
QoS	Traffic shaping (ATM layer) Priority-based scheduling (up to 8* queues, max 4 per PVC) 802.1P/Q prioritization Diffserv (RFC2474, RFC2475) marking and queuing according to connection type, network interface, MAC, IP, hostname Port based QoS DSCP/TOS remarking
VoIP	Codecs: G.711 a-law/μ-law, G.729, G.726*, Voip stacks supported: SIP2.0, MGCP (option), H.323 (option) Voice interface: N°1 FXS Phone port (RJ11 Plug), Codecs Control: RTP/RTCP, RFC 1889, SDP, RFC 2327 VoIP QoS: •Layer 3 QoS: control ToS and DSCP for VoIP RTP •Prioritization of voice over data at the network stack
Security	Programmable firewall, Stateful Packet Inspection (SPI) Firewall IP protocol filtering, Access Control
Management	DSL Forum TR-069 CPE Management Protocol: <ul style="list-style-type: none"> Auto- configuration and dynamic service provisioning Software/firmware image management Status and performance monitoring FTP/TFTP client for remote firmware upgrade Diagnostics and LOGs Telnet with CLI WEB server with Admin/User configuration Pages
VLAN	Supports multiple VLAN ID per ports Configurable layer-two switching