access

Discus™ DRG A226G

Combining an ADSL2+ WAN interface with a wide choice of LAN interfaces (Wi-Fi, FXS, FXO, USB, and ETH) the Discus™ DRG A226G offers an integrated feature-rich platform for the distribution of your triple/quad-play services.

- **ADSL 2/2+**
- **Annex A/B**
- **Ethernet 10/100**
- **USB 2.0 host**
- **2 FXS ports**
- **IP QoS**
- **Wireless 802.11 b/g**

The Discus™ DRG A226G 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 A226G supports a wide range of applications such as wired/wireless data, VoIP, dual-mode/fixed-mobile convergence, IPTV, shared storage, and printing through a USB port. DRG A226G features a high performance WiFi interface.

While based on the prevalent industry standards applicable for networking, voice protocols, and hardware interfaces, Discus™ DRG A226G software can be customized by Pirelli to suit your specific functional and service requirements.

Discus™ DRG A226G 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.

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- 2 FXS ports
- IP QoS
- Wireless 802.11 b/g

LEDs
Power, Ethernet link, Wireless, USB link, Phones, ADSL line Activity, Internet Activity

Standard Package Content

N°1 DRG A226G
N°1 Switching Power supply
N°1 Ethernet CAT5 cable with RJ-45 plug
N°1 Phone cable RJ-11 plug (ADSL)
N°1 USB cable
N°1 CD containing:
- USB driver
- User Manual
- Quick Installation Guide

N°1 Cradle

Environmental Specifications
Temperature:
• Operating: 0 to 40 °C
• Non Operating: -20 to 65 °C
Relative Humidity:
• Operating: 10% to 85% non condensing
• Non Operating: 5% to 95% non condensing

Power Adapter
INPUT: 100-240Vac 50/60 Hz 0.51 A
OUTPUT: 15Vdc 1.2 A

Agency Approvals and Certifications
CE mark, ITU-T K21, WEEE, RoHS, Wi-Fi certification (by Wi-Fi alliance)

TECNICAL SPECIFICATION

WAN interface	1 Line port (RJ-11plug, inner pair) supporting the following standards: • ADSL (G.992.1, G992.2, T1.413, G994.1, G.997.1) • ADSL2 (G.992.3) • ADSL2+ (G992.5) Annex A/Annex B are available in different product version
LAN interface	N° 4 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 Host v.2.0, N° 1 USB Device v1.1
Wireless LAN interface	Wi-Fi access point solution with N°2 external antennas compliant with: • IEEE 802.11b/g (Mini-PCI for an easy upgrade to IEEE 802.11n technology) • WPA/WPA2 (IEEE 802.11i) • WMM (IEEE 802.11e)
DSL (ATM) features	AAL5 (ITU-T I.363.5) UBR, VBR-nrt, VBR-rt, CBR traffic classes Multiple VC/PPP connections Classic IP (CLIP) and ARP over ATM, RFCs 1577, 2225 Multiple PPPoE connections on a single VC Multi-protocol encapsulation over AAL5 bridging and routing, RFCs 1483, 2684 PPP over AAL5 (PPPoATM), RFC 2364 OAM (ITU-T I.610) – F4, F5 – Loop-back Encapsulation modes in ATM stack: LLC SNAP and VC-Mux
Routing / Bridging features	**Routing:** • Static routing • RIPv1, RIPv2 • IP Multicasting – IGMP v2, v3 **Bridging:** • WAN-LAN transparent bridging • Transparent bridging between LAN devices • Automatic discovery of MAC addresses • Spanning tree protocol
NAT	• NAT-NAPT, RFCs 3022 • Static NAT/NAPT • Application Level Gateway (ALGs) modules
QoS	• ATM QoS: UBR, VBR-nrt, VBR-rt, CBR. • 802.1P/Q prioritization • Diffserv (RFC2474, RFC2475) marking and queuing according to connection type, network interface, MAC, IP, • hostname, DSCP/ToS value, port number and application • Port based QoS
VoIP	**Codecs:** G.711 a-law/μ-law, G.729*, G.726*, G.723* (*) optional, to be quoted apart **Voip stacks supported:** SIP 2.0, MGCP (option),H.323 (option) **Voice interface** N°2 FXS Phone port (RJ11 Plug), N°1 FXO Phone port (RJ11 Plug) **Codecs Control:** • RTP/RTCP, RFC 1889 • SDP, RFC 2327 • RTP payload for DTMF digits RFC 2833 **VoIP QoS:** • Layer 3 QoS: control ToS and DSCP for VoIP RTP • Prioritization of voice over data at the network stack
Remote management	DSL Forum TR-069 CPE Management Protocol: • Auto- configuration and dynamic service provisioning • Software/firmware image management • Status and performance monitoring WEB GUI (HTTP-S web server) TFTP, RFC 1350 Telnet server
Security	Stateful Packet Inspection (SPI) Firewall IP protocol filtering, Access Control, Parental control

WiFi CERTIFIED

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