

PRG F4202N



Combining a Fiber Optic WAN interface with a wide choice of LAN interfaces (Wi-Fi, FXS, USB, and ETH) the PRG F4202N offers an integrated feature rich platform for the distribution of your triple/quad-play services.

The PRG F4202N is an advanced Residential Gateway with a Fiber connection. It 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 PRG F4202N supports a wide range of applications such as fiber/wired/wireless data, VoIP, dualmode/fixed-mobile convergence, IPTV, shared storage, and printing through a USB port. PRG F4202N features a high performance WiFi interface.

- **Fiber Optic**
- **4 Ethernet 10/100 Base-T**
- **2 USB 2.0 host**
- **2 FXS ports (VoIP SIP 2.0)**
- **IP QoS**
- **Wireless 802.11 b/g/n**

While based on the prevalent industry standards applicable for networking, voice protocols, and hardware interfaces, PRG F4202N software can be customized by Pirelli to suit your specific functional and service requirements.

PRG F4202N fully complies with the Fiber optic standards. 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.

PRG F4202N

MAIN FEATURES



LEDs

- Power
- 4 Ethernet link/activity
- Wireless activity,
- Sync and Data
- WPS

Buttons

- 1 x Power Button
- 1 x Reset Button

Power Adapter

INPUT: 230Vac 50 Hz
OUTPUT: 15Vdc 1 A

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

Agency Approvals and Certifications

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

Physical Specifications

235X124X44 mm

Standard Package Content

- PRG F4202N
- Power adapter
- Cables
- CD
- Safety leaflet

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|-----------------------------------|--|
| WAN interface | Fiber Optic WAN interface is compliant to: <ul style="list-style-type: none"> ▪ IEEE 802.3u 100BASE-BX ▪ SC connector module ▪ Available Tx/Rx wavelengths: 1310/1550nm o 1550/1310nm ▪ SM Fiber - Single fiber ▪ IEEE 802.3u 100BASE-FX |
| 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°2 USB Host v.2.0 |
| Wireless Interface | Wi-Fi access point compliant with: <ul style="list-style-type: none"> - IEEE 802.11n (2.4 GHz) - WPA/WPA2 (IEEE 802.11i) - WMM (IEEE 802.11e) |
| 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 Hardware 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 |
| Routing / Bridging | RIP v1/v2 and static routing NAT/NAPT, RFCs 3022, Static NAT/NAPT DHCP Server/Client/Relay DNS relay VPN pass-through IPv4 Application Level Gateway (ALGs) modules Spanning tree protocol IP Multicasting – IGMP v2, v3 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*, G.723* Voip stacks supported: SIP2.0 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 |
| Security | Programmable firewall, Stateful Packet Inspection (SPI) Firewall IP protocol filtering, Access Control, Parental 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 |

(*): optional on request