

DRG A225G/N-F7-A2 Femto IAD



Based on the Pirelli Multiplay Home and Office routers platform, the A225G-F7 embeds the 3G W-CDMA femtocell functionality in a single Integrated Access Device (IAD)

The DRG A225G-F7-A2 is an Integrated Access Device of the Pirelli Multiplay family of Home and SoHo Access Gateways, which embeds a 3G W-CDMA femtocell access point (Home Node B) in an integrated routing, QoS and remote management architecture.

Building on the in-field experience of the A22x series, with millions units deployed in commercial triple and quadruple play services, the A225-F7 Femto IADs give Operators the opportunity to build new offerings based on the 3G femtocell functionality, while preserving the fixed broadband service features that quadruple play customers expect.

- 3G W-CDMA Femtocell
- ADSL 2/2+
- USB 2.0 host for storage and printer sharing
- FXS port for VoIP, FAX, POS
- Wi-Fi 802.11 b/g or 802.11n
- configurable multi-service QoS

For new FMC propositions, the DRG A225G-F7 IADs allow Operators to promote the usage of 3G mobile handsets indoor, valuing their role within personal and managed applications such as media sharing, IPTV, home surveillance and a new range of Value Added Services that can be built over Pirelli's Epicentro™ middleware.

While designed for multi-vendor environments, the DRG Gateways family can seamlessly integrate within Pirelli's portfolio for quadruple play services, which comprises:

- Pirelli's HDTV Hybrid Set Top Boxes
- Pirelli's DEX W/P Extenders for video home networking
- Pirelli's Remote Management Platform (PMP)

DRG A225G-F7-A2 Femto



Type P2 housing

Housing and ID variants

Type P1: black (chrome base option)

Type P2: Pirelli radiant (chrome base option)

LEDs

Power, WiFi, UMTS, Phones, ADSL, Service

Environmental Specifications

Temperature:

Operating: 0 to 40°C – 10% to 85% RH

Non-operating: -20 to 65°C – 5% to 95% RH

Power Adapter

INPUT: 100-240Vac 50/60 Hz

OUTPUT: 12VDC 3 A

Agency Approvals and Certifications

CE mark, WEEE, RoHS, WiFi certification

MAIN FEATURES

Integrated FAP (Home NodeB)	<ul style="list-style-type: none"> WCDMA UMTS FDD Band I Local Area Cell Class HSDPA 7.2 Mbps HSUPA 1.4 Mbps Up to 4 concurrent sessions Radio Environment Monitoring in Bands I, III and VIII Compatible with Nokia Siemens Network end-to-end 3G Femto Access Solution
WAN interfaces	<ul style="list-style-type: none"> 1 Line port (RJ-11) ADSL2+ (ADSL, ADSL2) Annex A, B, M
LAN interface	<ul style="list-style-type: none"> 4 Ethernet ports (RJ-45 plug), 10/100BASE-T auto MDIX and auto-negotiation 1 USB Host v.2.0
Wireless LAN interface	<ul style="list-style-type: none"> IEEE 802.11b/g, IEEE 802.11 (*) WPA/WPA2 (IEEE 802.1i) WMM (IEEE 802.11e) WPS Push Button
IP Networking	<ul style="list-style-type: none"> IPv4 protocol suite – Ipv6 over IPv4 tunneling – Ipv6 readiness Routing (static, RIPc1/v2) – IGMPv1/2/3, proxy & snooping, multicast to unicast conversion on LAN side WAN-LAN & LAN-LAN transparent bridging, spanning tree PPP, PPTP, L2TP (with client pass-through) – PAP/CHAP IPSec VPN pass-through DHCP server, client, proxy - /Dynamic) DSN server, proxy NAT/NAPT, port forwarding, ALGs HTTP/HTTPS/SSL – HTTP server – CGI – FTP/TFTP/Telnet
QoS	<ul style="list-style-type: none"> Multi-field packet classification, L3 (DSCP) & L2 (802.1p), IP & MAC source/destination address range, TCP/UDP port/port range, protocol, packet length, LAN device Class-based multiple-policy scheduler (strict priority, WRR) with traffic shaping Traffic policing – RDD/WRED
VoIP	<ul style="list-style-type: none"> 1 FXS Phone port (RJ1 1 Plug) SIP/SIPv2, MGCP with SDP Basic call, CLI P/CLIR, call hold/waiting/transfer/forwarding, 3-way conference, message wait indication, speed dial, distinctive ringing Fax pass-through, T.38 fax relay, POS machine G.711, G.723, G.726, G.729 voice codes, VAD/CNG, adaptive jitter buffer, echo cancellation, in band & out-of-band DTMF IP-PBX (*)
Remote management	<ul style="list-style-type: none"> TR-069 remote management policies; TR-1 11, TR-098, TR-1 04 data models Web-based local management – Installation wizard – Syslog Status & performance monitoring - Diagnostics
Security	<ul style="list-style-type: none"> Stateful packet inspection Predefined security policies – Parental control, content/URL filtering Remote access control, LAN-side Internet service/protocol blocking, white list
Media Sharing	<ul style="list-style-type: none"> Supports external HD and USB stick storage devices UPnP AV Media Server Device DLNA server / client support (*) Network shared printer support