DATA Series
VDSL2 with ADSL2+ fallback Gateway
DV 2210

ADB

Wi Fi® CERTIFIED

Power LAN1 LAN2 LAN3 LAN4 WLAN WPS USB DSL Internet

ADB

HIGHLIGHTS

High speed wireless connection: Wi-Fi 11b/g/n 2x2 at 2.4GHz

4 Ethernet ports for PC or set-top box connection

Printer/file sharing or HSPA data backup via USB

Remote management through TR-069

DLNA media sharing option

ADB Connected Homes Connected Lives

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The DV 2210 gateway offers your subscribers the fastest VDSL data transmission speed over copper (with an additional ADSL2+ fallback), high speed Wi-Fi home connectivity (up to 300Mbps) and 4 Ethernet 10/100 Base-T/TX ports.

File and printer sharing is easy, users can simply plug in a USB hard disk or a printer and share multimedia content across their home network. With ADB's optional 3G USB dongle you can offer your subscribers an "always on" internet connection through the HSPA data back-up capability.

ADB's home gateways are equipped with Epicentro®, ADB's state-of-the-art software platform, which in conjunction with an OSGi framework, allows service providers to deploy software modules and applications over time via transparent TR-069 remote management, creating opportunities to provide function and service up-selling to the consumer on the same hardware device.

For Voice IAD product, see VV 2220.

TECHNICAL SPECIFICATIONS

WAN Interface
1 Line port (RJ-11plug) supporting the following standards:
- VDSL2 Profiles: 8b, 8c (Central Office), 12a, 12b, 17a (Cabinet) Profiles
- Annex B (Europe) 998, Annex B (Europe) 997 Bandplans
- Vectoring support G.993.5
- ADSL fallback, Annex A (G.992.1, G992.2, T1.413, G994.1, G997.1), ADSL2 (G.992.3), ADSL2+ (G992.5)

LAN Interface
- 4x Ethernet ports 10/100BASE-T/TX (RJ-45 plug), compliant IEEE 802.3, with auto MDIX and auto-negotiation

Expansion Ports
- 1x Universal Serial Bus Rev. 2 compliant. Type-A connector. (Support for connection of external USB 2.0 Devices)

Wireless Interface
- Wi-Fi connection up to 300Mbps
Wi-Fi access point solution compliant with:
- IEEE 802.11n (2.4GHz), 2x2 spatial multiplexing
- WFA 11n, WPA2, WMM, WPS, PBC option
- Support for WEP (40-bit key , 104-bit key)

DSL (ATM) Features
- AAL5 (ITU-T I.363.5)
- UBR, VBR-nrt, VBR-rt, CBR traffic classes – Traffic shaping
- Independent per-PVC settings
- Up to 8 (simultaneously active) PVC connections, each with preconfigurable VPI/VCI value pair (full range: [0 255]/[32 65535]) or VPI/VCI auto search in the [0 9]/[32 61] range
- OAM (ITU-T I.610):
  - F4, F5
  - Loop-back
- Dynamic rate adaptation , Dying gasp, Bit swapping – Fast and interleaved paths – INP
Encapsulation modes in ATM stacks:
- LLC SNAP and VC-Mux
Encapsulation mode in PTM stack:
- ETH w/o VLAN tag

VLAN
- Supports multiple VLAN ID per port

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
- Static routing
- Dynamic and Static NAT/NAPT
- DHCP Server/Client/Relay
- DNS, Dynamic DNS
- VPN (L2TP/PPTP/IPSec) pass-through
- IPv4, IPv6
- Application Level Gateway (ALGs) modules
- Spanning tree protocol
- IP Multicasting – IGMP v1/v2/v3
- IGMP Snooping
- IGMP Proxy-Routing

QoS
- Traffic shaping (ATM layer)
- Priority-based scheduling (multiple queues per PVC with ATM-level prioritisation)
- IP QoS:
  - Layer-2 (IEEE 802.1D priority, p-bits in IEEE 802.1Q VLAN header
  - Layer-3 (Diffserv DSCP codepoint)
- Multiple strict priority and Weighted Round Robin (WRR) priority queues
- Layer-2 and/or Layer-3 configurable priority field re-marking (tagging/untagging)

Security
- Stateful Packet Inspection (SPI) Firewall
- Access Control
- Traffic filtering
- DoS

Management
- Broadband Forum TR-069 CPE Management Protocol (CWMP)
- Broadband Forum TR-098 Gateway Device v1.1 Data Model
- Broadband Forum TR-111
- Web GUI-based (HTTP server)
- Diagnostics and LOGs
- Telnet with CLI
- Support for firmware updates from local and remote management interface

Services
- Samba file server
- Printer sharing
- DLNA® DMS (option)
- OSGi execution environment (option)

Power Adapter
- INPUT: 100-240Vac 50/60Hz
- OUTPUT: 12V, 1.5A

Buttons
- 1x Power Button
- 1x Reset Button
- WLAN ON/OFF & WPS

LEDs
- Power
- LAN 1 - 4
- WLAN
- WPS
- USB
- DSL
- Internet

Environmental Specifications
Temperature:
- Operating: 0 to 40 °C
- Non Operating: -20 to 70 °C
Relative Humidity:
- Operating: 10% to 90% non-condensing
- Non Operating: 5% to 95% non-condensing

Agency Approvals and Certifications
- CE mark
- Wi-Fi certification (by Wi-Fi alliance)
- RoHS
- WEEE
- ErP

Standard Package Content
- DV 2210
- Power adapter
- Ethernet CAT-5 cable RJ-45 plug (Yellow)
- Phone cable (RJ-11)
- Installation CD
- Safety leaflet

Physical Specifications
- Product dimension: 155 x 155 x 35 mm
- Box dimension: 205 x 165 x 100 mm
- Weight: 270g (box: 620g)

Advanced Digital Broadcast
Viale Sarca, 222 - 20126 Milano – Italy
Tel. +39 02 66172.1
Fax +39 02 66172.997
E-mail: adbb.broadband@adbglobal.com

adbglobal.com