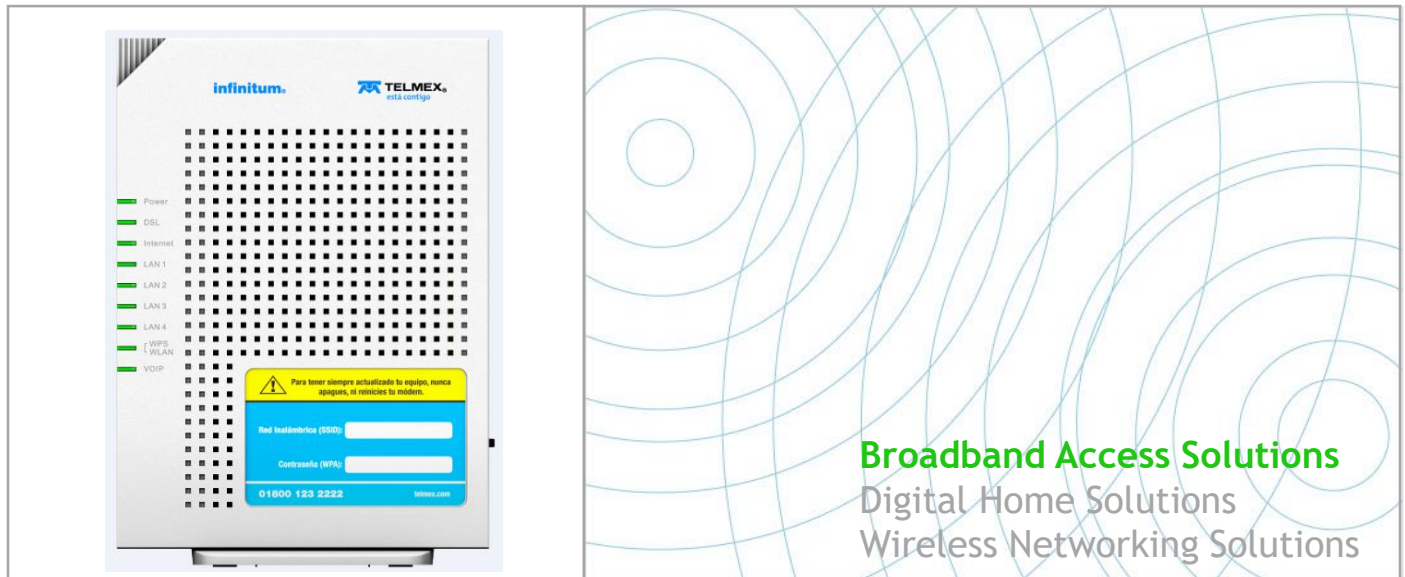




Broadband Access Solutions
Digital Home Solutions
Wireless Networking Solutions

VRV7006BW22

11n VDSL2 Integrated Access Device

Integrated VDSL2

Ease to setup

Security protection with firewall

The VRV7006BW22 is a 802.11n wireless VDSL2 IAD (Integrated Access Device) with rich firewall, QoS feature.

The VRV7006BW22 uses VDSL2 (Very High bit-rate Digital Subscriber Line 2) technology to bring you Internet connection speeds 4 times faster than ADSL2+ over a standard phone line.

The product provides best QoS (Quality of Service) for video streaming. Intelligent layer 2 and 3 QoS mechanism guarantee voice and video is on the higher priority. Multiple users can access the Internet through ISP connection (IP/PPP). Advance gateway features are also supported such as NAT, DHCP, and firewall, etc, to provide the capability to construct private network. Graphical user interface software for installation, configuration, and management will also be provided with the product.

VRV7006BW22

11n VDSL2 IAD

TECHNICAL SPECIFICATION

VDSL Features

- Comply with ITU-T G.993.2 - Annex A with 998 Asymmetric Band Plan and vectoring (profile 8x,12x,17a)
- Comply with ITU-T G.992.1 (G.dmt), ITU-T G.992.3 (ADSL2), ITU-T G.992.5 ADSL2+ standard.
- ATMmode: MER, 1483 Bridging, PPPoE, PPPoA, 1483 Routing (IPoA) support.

Network Features

- IPv4 / IPv6 Dual Stack
- IP sharing for LAN with up to 253 user
- TOS, Diffserv QoS guarantee voice and video quality
- IGMP snooping and proxy for IP TV application
- 802.1P/Q
- Multiple queues processing for different packet type
- DNS proxy
- NAT and NAPT
- Virtual server and DMZ
- Firewall function with Access Control List (ACL)
- Firewall function with Hacker pattern detection (DoS)

VOIP Features

- Comply with ITU-T G.711A, G.711u, G.729a/b, G.722, G.726
- 4 channels , 2 concurrent 3-way conference call
- Fax T.38
- Caller ID
- Call waiting
- Call forwarding
- Message box

Wireless Features

- IEEE 802.11n compliant
- Backward compatible to 802.11b/g
- Wireless access control (MAC)
- Wi-Fi Protected Setup (WPS)
- WMM support.
- WiFi Security (WEP/WPA/WPA2)

Management Features

- HTTP embedded web server
- Web UI management via local or remote site
- User name/Password protection
- Firmware upgrade via HTTP
- UPnP
- Diagnostic

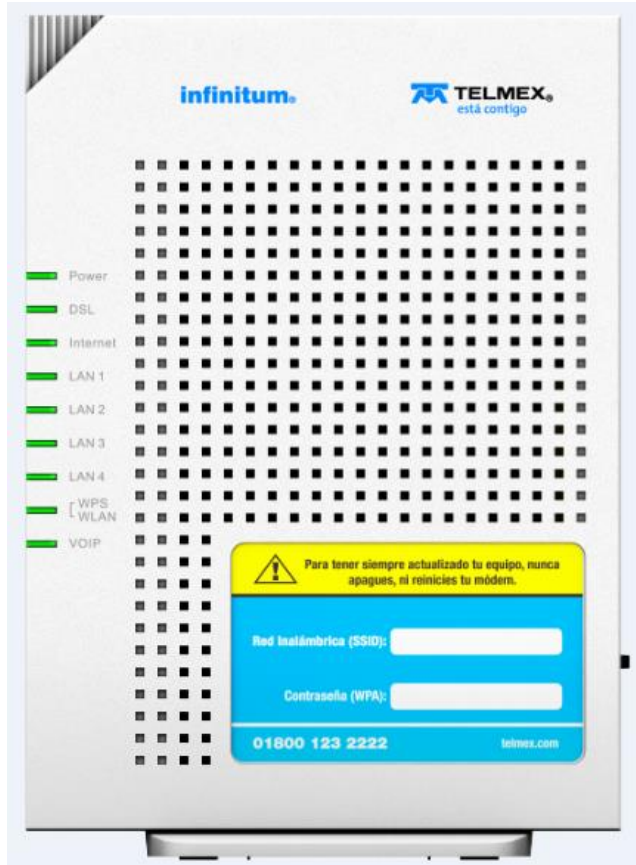
Hardware Specification

- One RJ-11 connector for VDSL2 Annex A 17a (6KV)
- Four RJ-45 connectors for 10/100 LAN ports
- One RJ-11 connector for FXS port (2.5KV)
- 2x2 11n 2.4G 100mW with internal antenna
- Reset ,WiFi/WPS button
- LED indicators
- Environment:
 - Ambient Temperature: -5°C~45°C
 - Relative Humidity: 5% ~ 95% (non-condensed)

VRV7006BW22

LED Behavior

TECHNICAL SPECIFICATION



Label	color	definition
Power	Green	Solid : in normal operation Off: device is power off
DSL	Green	Blinking: DSL training Solid: DSL trained successfully Off: no connection
Internet	Green	Solid : received one IP address from the internet Off: no link from internet
LAN1~4	Green	Solid: LAN is connection Off: no device connection
WPS/WLAN	Green	Off: WiFi is disabled Solid green: WiFi is enabled Blinking green: WiFi is transmitting/ receiving traffic flashing green periodically: WPS is activated
VOIP	Green	Solid: SIP client is registered Off: no connection



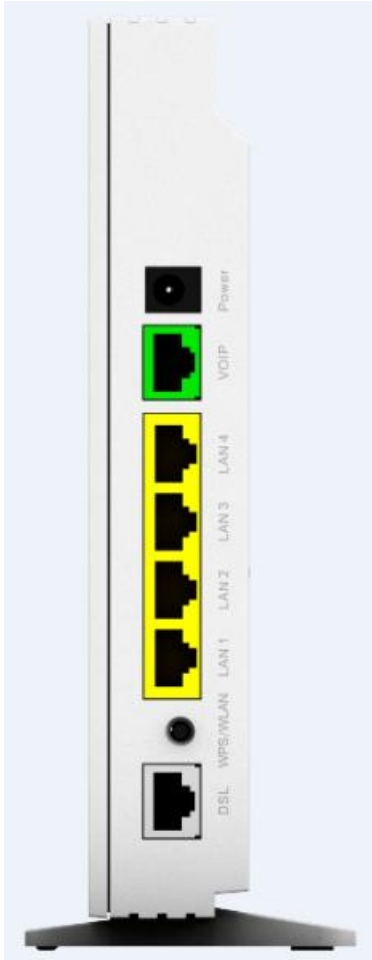
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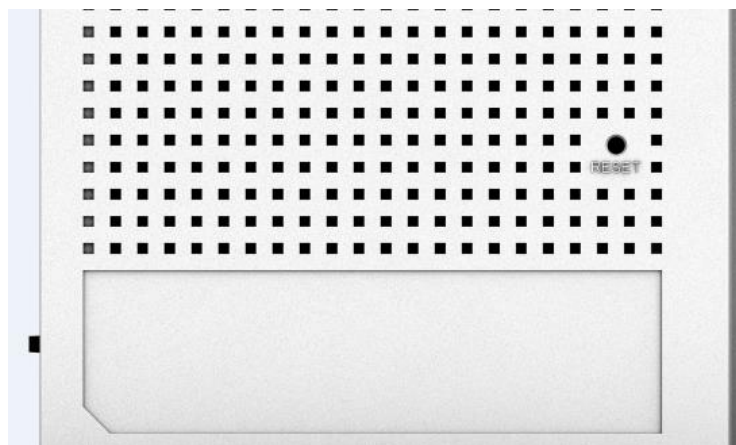
VRV7006BW22

Buttons & Connectors

TECHNICAL SPECIFICATION



Label	Color/ Type	Description
DSL	RJ11 Gray	Connecting to phone line for VDSL/ADSL service
LAN1	RJ45 Yellow	Fast Ethernet connection
LAN2	RJ45 Yellow	Fast Ethernet connection
LAN3	RJ45 Yellow	Fast Ethernet connection
LAN4	RJ45 Yellow	Fast Ethernet connection
VOIP	RJ11 Green	Connecting to phone for voice calling service
WPS/WLAN	button	Short press: enable WPS setup Long press: enable/ disable WiFi function
reset	button	Push to recover factory default



Reset button



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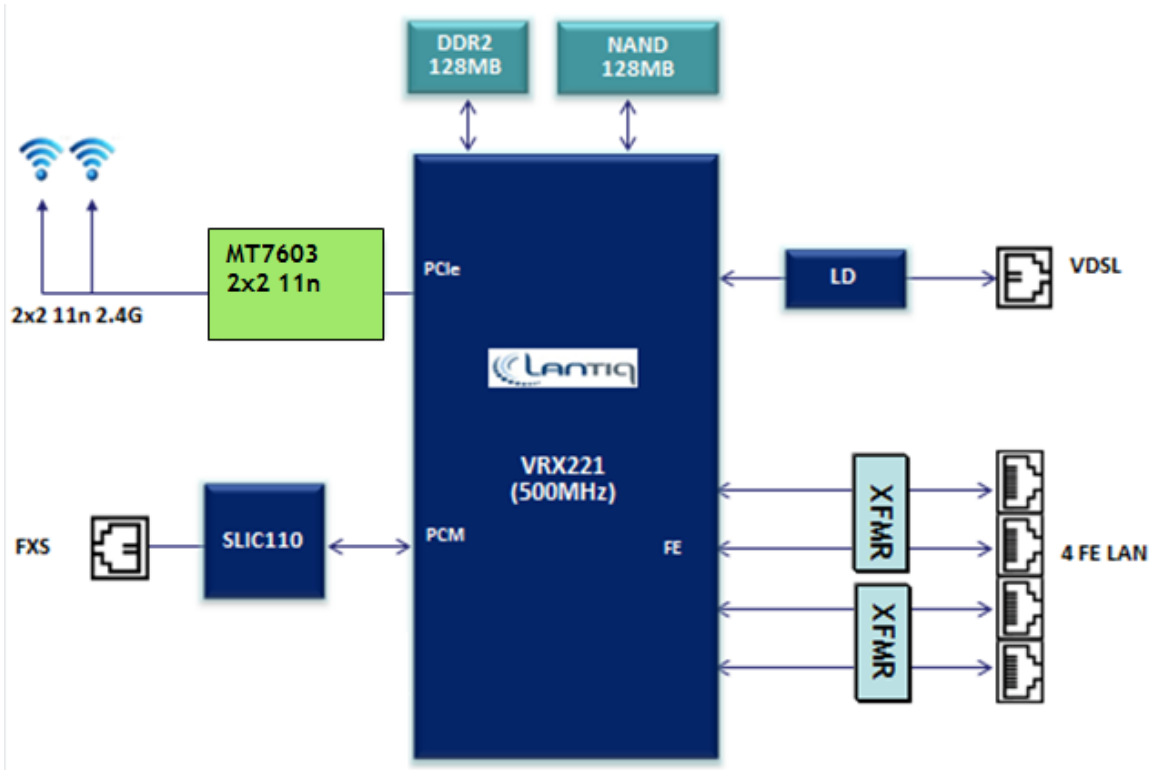
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VRV7006BW22

11n VDSL2 IAD

TECHNICAL SPECIFICATION

•Block Diagram



About Arcadyan; Arcadyan designs, develops and manufactures customer premise equipment for fixed and mobile service providers worldwide. Our in-house teams create customer solutions to exacting brand, feature and performance requirements to deliver high quality products at attractive price points.



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VRV7006BW22
ID outlook

Dimension : 135 x 191 x 33mm



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