

AC1200 VDSL2 Modem Router

ST-WM325A



Product Overview

The SOLTEK ST-WM325A Wireless Ac1200 VDSL2 Gateway with USB provides autosensing between VDSL2 and ADSL2+ for high-speed Internet access. Supported with G.vectoring, the ST-WM325A increases speed and coverage to compete with other broadband technologies without infrastructural changes.

The SOLTEK ST-WM325A supports G.vectoring to eliminate crosstalk or interference among VDSL lines. G.vectoring significantly increases bit rates to compete with cable/fiber technologies as well as to enlarge service coverage without changing the current infrastructure, offering a CAPEX- efficient way to significantly save costs comparing to fiber-to-the-home (FTTH) deployments.

Features:

- VDSL2 G.vectoring for maximized service coverage
- Comprehensive QoS enhanced triple-play experience
- Remote management via TR-069 and TR-181 i2
- Anti-DOS attack, MAC filtering, IP/Port filtering, Domain name filtering, ACL filtering
- Interoperable with all major DSLAM equipment's
- Quality of Service control for traffic prioritization and bandwidth management



Technical Specifications

Item	Description	
BASIC Information	Dimension	170*122*28mm
	Weight	250g
System Information	Main Chipset	Triductor VSPM300
	DRAM	128MB
	Flash	128MB
	Wi-Fi Chipset	MTK MT7603+MT7612EN
	Wi-Fi Bands&Speed	802.11b/g/n 2*2, 300Mbps 802.11ac 2*2, 866Mbps
External Connectors	RJ45	4*10/100Mbps RJ45 LAN
	RJ11	1*RJ11 WAN for VDSL
	USB	No
	Button	1*WPS/Reset, 1*WLAN
	LED	Power/WAN/LAN/WiFi/WPS/DSL
	FXS Port	No
	Power Jack	1*DC Power Jack
	Power Switch	1*Power Button
	Antenna	2*external 5dbi fixed antennas
Software Features	Login Information	IP:192.168.1.1 User/Password: admin/admin
	WAN Type	PPPOE/DHCP/Bridge
	LAN Configuration	DHCP server, Option 60/15/42/50/250, and management of multiple address pools DHCP Relay, compatible with RFC2131, RFC951, RFC1542 Static uplink, configuring of static IP address, subnet mask, DNS, and gateway
	WiFi Configuration	SSID/Password/Encryption Mode/WiFi Channel/WiFi Band width configuration
	ADSL Features	T1.413i2, G.992.1 G.dmt, G.992.2, G.lite G.992.3 (G.bis/ADSL2) G.992.5 (ADSL2+) ITU G.994.1 (G.hs) Annex L (Reach Extended ADSL2) Support ATM forum UNI3.0, 3.1 and 4.0 permanent virtual circuits (PVCs) Support CBR, UBR, VBR-rt, VBR-nrt Support multiple PVCs Support ITU-T i.610F4/F5 OAM

Technical Specifications

Item	Description	
Software Features	VDSL Features	ITU-T G.993.2 VDSL2 Support 8a,8b,12a,12b,17a,30a profile Support G.vector Support ATM and PTM Support G.INP
	Advanced Features	ALG: TFTP/FTP/PPTP/RTSP/L2TP/H323 DNS agent and Manual configuration of DNS QoS: –Interface management, supporting strict-priority (SP) and DWRR scheduling modes –Queue management, supporting eight priority queues –Flow classification management Static routing management, supporting up to 16 entries of static routing configuration DMZ: VPN:L2TP IPSEC, GRE
	Security Features	MAC address filtering in the whitelist mode Anti-DoS, independent switch for each protection item, and anti-port-scanning switch IP filtering, security level configuration, blacklist and whitelist based on WAN/LAN end (each list supporting up to 20 entries of IP filtering configuration) URL filtering, blacklist and whitelist filtering, supporting up to 20 URL entries
	Management Features	Device Configuration, Management and Update Web based GUI Localization support Embedded web server Download image via HTTP, TFTP server, FTP server Command Line Interface via serial port, telnet, or ssh Menu-driven CLI via serial port or telnet Universal Plug and Play (UPnP) Internet Gateway Device (IGDv1.0) WAN Management Protocol (TR-069) SNMP v1/v2 PSI configuration file upload and download Date/time update from SNTP Internet Time Server
Environment Requirement	Operating Temperature	0°C—40°C
	Storage Temperature	-20°C—70°C
	Operating Humidity	10%—95%, non-condensing
	Storage Humidity	5%—95%, non-condensing
	Power Supply	12V DC/1A