

Flash Memory	16M Bytes (MAX support 256MB)
SDRAM for CPU	64M Bytes (DDR2 ,MAX support 2Gbit)
Console	Internal console port (4 pin)
LAN	4x 10/100/1000Base-TX MDI/MDIX RJ-45 port compliant with following standards: 1. IEEE 802.3/802.3u 2. Hardware based 10/100/1000, full/half, flow control auto negotiation 3. Non-blocking wire speed reception and transmission 4. Full duplex IEEE 802.3x flow control and half duplex back-pressure flow control 5. Broadcast storm protection 6. Automatic address learning, address aging and address migration 7. Integrated address Look-Up Engine, 1 K absolute MAC addresses supported
WAN	1x inner GPON port Data Rate: Downstream: up to 2.4Gbps; Upstream: up to 1.2Gbps Down wavelength: 1490 nm Up wavelength: 1310 nm Maximum transmission distance: 20 Km

Software

Feature Item	Feature	Detailed Description
GPON Compliance	ITU-T G.984.1, G.984.2, G.984.3, G.984.4	
	Fully ITU-T G.984 compliant framing	
	Support 8 T-CONTs and 32 GEM Ports	
	Multiple T-CONTs per device Multiple GEM Ports per device	
	Flexible mapping between GEM Ports and T-CONT	
	Activation with automatic discovered SN and password in conformance with	
	ITU-T G.988	
	AES-128 Decryption with key generation and switching	
	FEC (Forward Error Correction)	
	DBA reporting in status indications in the PLOu, and by piggyback reports in the DBRu (mode 0)	
	802.1p service mapping profile on U/S	
	Mapping of GEM Ports into a T-CONT with priority queues based scheduling	
	Support for Multicast GEM Port	
Network Protocol	802.1q/1p VLAN over RFC2684 bridge encapsulation	
	PPPoE	Support AUTO, PAP, CHAP, MS-CHAP authentication. Auto or static IP address assignment.
	PPPoE passthrough	Supports concurrent PPPoE clients inside the modem and PPPoE clients on the LAN devices.
	PPPoE filtering of non-PPPoE packets between WAN and LAN	Support filtered non-PPPoE packets.
	Auto clean up of remote stalled PPP sessions	

	at BRAS	
	Transparent bridging between all LAN and WAN interfaces	
	WAN to WAN blocking in bridge mode	
	Ethernet as WAN	
Networking	Full Cone NAT	
	DMZ Host	
ALGs	FTP	
	TFTP	
	RTSP	
	Port Triggering	
	PPTP	
	IPSec and L2TP	
Firewall/Filtering	Stateful Inspection	
	Packet filtering	Packets can be blocked based on interface, mac address, IP address, protocol, and port number.
	LAN side firewall	By default, LAN side firewall is disabled
Parental Control	Time of day usage restriction	
	URL Filtering	Supports INCLUDE and EXCLUDE modes
QoS	IP/Bridge/802.1p	
	Rate Control on upstream traffic	
	Support SP, WRR	
Routing	RIP v1/v2	Enable RIP over multiple WAN interfaces
	Policy Routing	Routes packets based on criteria other than destination IP address
IGMP	Proxy and snooping	
	IGMP v2 and v3	
MLD		
IPv6	IPv6 Ready Logo Certified	
	IPv6 Firewall	
	IPv6 capable apps	telnetd, ftpd, sshd, httpd
USB	USB 2.0 "Host" Driver USB 2.0	
	USB storage	
	Access to mounted USB disk via FTP	
DHCP Server	Support for multiple subnets	
	Static IP lease	
	DHCP relay	
DHCP client		
LAN services	Second IP address on LAN interface	
DNS Proxy	Built in DNS server	
	Caching previous requests	
ACL		
WebUI	Protection against Cross Site Request Forgery attack	
TR - 069	Digest Authentication, SSL and Basic Authentication, SSL and Authentication Digest	

	Auto - launch and exit - on - idle	
	TR - 098	
	TR - 098 profile support	
	TR - 111 (part 1)	
	TR - 140	
	TR - 104	
TR - 064		
SNMP	v1/v2c agent	
	MIB - II	
UPnP	Internet Gateway Device (IGDv1.0) Finite(24 hour) duration of virtual server entries created using UPnP	
Security	Three level login(local admin, local user, remote support)	
	Service access based on incoming interface and/or source IP address	
	Automatic logout from CLI after inactivity	
Audit and Logging	Send log to remote syslog server	
Diagnosics	Interface Connectivity	Ethernet and USB.
	Internet Connectivity	ISP authentication, assigned IP address, default gateway/primary DNS server connectivity
Other Features	Dynamic DNS	
	sntp time synchronization	
	telnetD	
	Power Management	
WIFI Compliance	IEEE 802.11b/g/n	
	Support 2x2 antennas	
	Support 2-stream spatial multiplexing up to 270Mbps	(Can upgrade to 300Mbps)
	Support MCS 0-15 and MCS 32 modulation and coding rates channels	
	Support 20M and 40M	
	WEP encryption	Support 64, 128 Bit WEP encryption
Voip	802.1x	
	WPA/WPA2	
	WPA-PSK/WPA2-PSK	
	Mac Filter base on each SSID	
	Multiple SSID	Up to 4 SSID Support SSID hidden
	Support SSID hidden	
	SSID User Isolation	
	WPS	WPS Push and WPS PIN method supported Housing WPS push button (optional)
	Enable or disable WIFI through GUI	
	SIP/ MGCP/ H.248 Protocols	Support SIP or MGCP Protocols
	FXS	Support 2 FXS

	RTP (RFC 1889)/ RTCP (RFC 1890)	
	UDP (RFC 768)	
	SDP (RFC 2327)	
	Outbound Proxy	
	Multiple voice codec - G.711 (u/a-law), G.726, G.729 (A and B), G.723.1 etc	
	T.30 and T.38 Fax	
	DTMF In band & Out of band Tone Detection & generation (RFC2833)	
	Echo Cancelling, Silence suppression, VAD, CNG	
	Various CLASS services - Caller ID, Call Waiting, Call Forwarding, Call Transfer, etc.	