



BLU-CASTLE

Blu-Castle 7

GPON ONT + WiFi 7 BE7200

Confidential



Interfaces	
Optical Interface	1*GPON port, SC/APC
Ethernet	1*2.5GE port+4*GE port
Telephone	1*FXS RJ11 ports
USB	1*USB3.0
Power Input	12VDC
Buttons	Power On/Off, Reset
LEDs	Power, PON, LOS, Internet, 2.5GE, LAN2~5 , 2.4G, 5G, WPS, USB, Tel

Chipset	
CPU	AN7551PT
WiFi	Baseband: MT7992AV 2.4G RF: MT7975N iFEM 5G RF: MT7979N iFEM
Flash	256 MB
RAM	1 GB

GPON	
Standards	ITU.T G.984, G.988
Optical Module	Class B+, BOB
Bandwidth	2.488Gbps, Downstream 1.244Gbps, Upstream
Wavelength	1310nm, Transmit 1490nm, Receive
Max Distance	20KM
TX Output	0.5 ~ 5dBm
RX Output	-8 to -28dBm

Telephony	
Protocol	SIP, H.248
Features	VAD, CNG, G.168 EC, RFC2833
Codec	G.722, G.711a/u, G.729
Fax	T.38, T.30/G.711
Ringing Capacity	55Vrms, 5 REN

Summary



BE7200

MEDIATEK

2.4 GHz - 4x4
1376 Mbps
5 GHz - 4x4 - 160MHz
5764 Mbps

5^{Omni-Directional}
x2dBi
-WinAntenna-



AIROHA

AN7581

GPON

SIP, H.248







TR-069 FOTA





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Wireless	
Standards	2.4GHz IEEE 802.11b/g/n/ax/be, 4T4R 5GHz: IEEE 802.11a/n/ac/ax/be, 4T5R WMM QoS, WPS 2.0
Data Rate	2.4GHz - 1376.4Mbps(11be@40MHz) 5GHz - 5764.8Mbps(11be@160MHz)
Security	WEP, WPA/WPA2-PSK, WPA3-SAE
Antenna	5*2dBi, Internal Omni-directional

Software Features	
Basic	PPPoE, DHCP, DNS relay, NAT/NAPT, NTP, IPv4/IPv6 Dual Stack, DS-lite
Advanced	Port Forwarding, ALG, UPnP, DMZ, VPN Passthrough, DDNS, Multi-WAN, VLAN, QoS
Security	SPI Firewall, MAC/IP/URL Filtering, DoS Attack Protection, ACL
Multicast	IGMP v1/v2/v3 Snooping/Proxy, MLD v1/v2
Management	System Log, Diagnosis, Http/Https, Telnet/SSH, TR069/TR098/TR181/TR104
Platform	Linux, RDK-B, OpenWRT

Physical	
Temperature	Operating: 0 ~ 45°C (32~113°F) Storage: -20 ~ 65°C (-4 ~149°F)
Rel. Humidity	Operating: 5% ~ 95% (non-condensing)
Dimensions	223*79*262
Net Weight	TBD
Housing Color	Black/White

Certification	
CE	

Packaging	
1x GPON ONT	
1x Power Adapter, 12VDC	
1x Ethernet Cable, CAT5e	
1x Quick Installation Guide	