



EQUIPOS UTILIZADOS EN NUESTRA MISION

Onred Soluciones de conectividad sas., utiliza redes de fibra óptica y redes inalámbricas (radioenlaces).

Equipos de usuario final Fibra óptica:

- **XN020-G3v Router GPON VoIP Gigabit Inalámbrico N a 300Mbps**



CARACTERÍSTICAS DE HARDWARE

	1* SC/APC port
Interface	1* 10/100/1000Mbps LAN Port
	1* 10/100Mbps LAN Port
Botón	1 FXS Port
	Power On/Off Button, Reset Button, WPS/Wi-Fi Button
Fuente de alimentación externa	12V/0.6A
Estándares inalámbricos	IEEE 802.11g, 802.11b,802.11n
Estándar IEEE	IEEE 802.3, IEEE 802.3u, 802.3ab
Dimensiones (An x Pr x Al)	7.1 ×4.9× 1.4 in. (181.5 ×125.7 ×36.2mm)
Ganancia de la Antena	2X2, 2.4G 5dBi
	ITU G.984.1
Estándares GPON	ITU G.984.2

CARACTERÍSTICAS DE HARDWARE

	ITU G.984.3
	ITU G.984.4
Módulo Óptico	Class C+
Longitud de onda óptica	Transmit at 1310nm Receive at 1490nm
Distancia de transmisión	0 ~ 20Km Max
Ancho de Banda	Downstream up to 2.488Gbps Upstream up to 1.244Gbps Max
Receptor	APD-TIA
Transmisor	DFB Laser

CARACTERÍSTICAS INALÁMBRICAS

Frecuencia	2.4GHz
Tasa de señal	300Mbps at 2.4GHz
Potencia de Transmision	<20dBm (2.4GHz)
Funciones inalámbricas	Enable/Disable Wireless Radio, WMM, Wireless Statistics
Seguridad inalámbrica	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA-PSK2 encryptions
Horario inalámbrico	Support 2.4GHz Schedule

FUNCIONES DE SOFTWARE

Calidad de servicio	Hardware QoS
Seguridad	NAT Firewall, SPI Firewall, Access Control, MAC/URL Filtering, Denial of Service (DoS), SYN Flooding, Ping of Death, IP and MAC Address Binding
Gestión	OMCI, Web Based Configuration, Command Line Interface, SSL for TR-069, OMCI Based Firmware Upgrade
Tipo de conexión WAN	PPPoE, Dynamic IP, Static IP, Bridge
DHCP	Server, Client, DHCP Client List, Address Reservation, DHCP Relay
Reenvío de puertos	Virtual Server, Port Triggering, DMZ, ALG, UPnP
DNS Dinámico	DynDns, NO-IP
Protocolos	Support IPv4 and IPv6
Funciones avanzadas	SN, Password, SN + Password Authentication Mode Upstream and Downstream FEC, AES encryption Dynamic Bandwidth Allocation(DBA) support NSR/SR 802.1Q VLAN, Static Routing; IGMP v1/v2 /v3 16 T-CONTs, 256 GEM Ports
IGMP	IGMP v1/v2/v3
IPSec VPN	Support up to 10 IPSec VPN tunnels

OTROS

contenidos del paquete	300Mbps Wireless N Gigabit VoIP GPON Router XN020-G3v RJ11 Phone Cable RJ45 Ethernet Cable Quick Installation Guide Power Adapter
Requisitos del sistema	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1, 10, MAC OS, NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0 , or other Java-enabled browser Cable or DSL Modem
Certificaciones	CE, Anatel
Ambiente	Operating Temperature: 0°C~40°C(32°F~104°F) Storage Temperature: -40°C~70°C(-40°F~158°F) Operating Humidity: 10%~90% non-condensing Storage Humidity: 5%~90% non-condensing

- **XC220-G3v AC1200 Wireless VoIP GPON Router**



	CARACTERÍSTICAS DE HARDWARE
Interface	4 10/100/1000Mbps RJ45 LAN Ports, 1 SC/APC GPON Port, 1 RJ11 FXS Port
Botón	Power On/Off Button, WPS/Wi-Fi Button, RESET Button
Fuente de alimentación externa	12V/1.5A
Antena	2 External Dual Band Antennas
	CARACTERÍSTICAS INALÁMBRICAS
Estándares inalámbricos	IEEE 802.11ac/n/a 5GHz, IEEE 802.11b/g/n 2.4GHz
Frecuencia	2.4GHz and 5GHz (not Supports DFS)
Tasa de señal	867Mbps at 5GHz, 300Mbps at 2.4GHz
Potencia de Transmision	2.4GHz: 26dBm(EIRP), 5GHz: 27dBm(EIRP)
Funciones inalámbricas	Enable/Disable Wireless Radio, WDS Bridge, WMM, Wireless Statistics
Seguridad inalámbrica	WPA/WPA2, WPA-PSK/WPA-PSK2 encryptions
Horario inalámbrico	Support 2.4GHz and 5GHz Wireless Schedule
Tecnología Mesh	WPA EasyMesh, TP-Link OneMesh
	FUNCIONES DE SOFTWARE
Calidad de servicio	Hardware QoS
Seguridad	NAT Firewall, Access Control, MAC/IP/URL Filtering, IP and MAC Address Binding, Defense “Denial of Service (DoS), SYNflooding, Ping of Death”
Gestión	Web Based Configuration(HTTP), Remote management, Command Line Interface, SSL for TR-069, Web Based Firmware Upgrade, Diagnostic Tools, OMCI
DHCP	Server, Client, DHCP Client List, Address Reservation, DHCP Relay
Reenvío de puertos	Virtual Server, Port Triggering, DMZ, ALG, UPnP
DNS Dinámico	DynDns, NO-IP
Paso de VPN	PPTP, L2TP, IPSec Pass-through
Protocolos	Supports IPv4 and IPv6
Funciones VOIP	Call hold, Call forward, Warm call, Do not disturb, Call restriction, Speed dial, etc. Caller ID, 3-party conference, SIP account – up to 8 accounts
Funciones avanzadas	Parental Control, Network Address Translation(NAT), Port Mapping(Grouping), Static Routing, DNS Relay, DDNS, IGMP V1/V2/V3
	OTROS
contenidos del paquete	AC1200 Wireless VoIP GPON Router RJ45 Ethernet Cable Power Adapter Quick Installation Guide
Requisitos del sistema	Microsoft Windows 98SE, NT, 2000, XP, Vista™ or Windows 7, 8, 8.1, 10, MAC OS, NetWare, UNIX or Linux Internet Explorer 11, Firefox 12.0, Chrome 20.0, Safari 4.0, or other Java-enabled browser

OTROS

Ambiente

Operating Temperature: 0°C~40°C (32°F ~104°F)
 Storage Temperature: -40°C~70°C (-40°F ~158°F)
 Operating Humidity: 10%~90% non-condensing
 Storage Humidity: 5%~90% non-condensing

- ANCHO DE BANDA SOPORTADOS : 10 MEGAS -1000 MEGAS

Equipos de usuario final Inalámbrico:

Ubiquiti:



LBE-5AC-Gen2	
Dimensions	358 x 271.95 x 272.5 mm (14.09 x 10.71 x 10.73")
Weight	
Without Mount	800 g (1.76 lb)
With Mount	980 g (2.16 lb)
Power Supply	24V, 0.3A Gigabit PoE Adapter (Included)
Max. Power Consumption	7W
Power Method	Passive PoE (Pairs 4, 5+; 7, 8 Return)
Supported Voltage Range	24V ± 10%
Gain	23 dBi
Networking Interface	(1) 10/100/1000 Ethernet Port
Processor Specs	MIPS 74Kc
Memory	64 MB DDR2
LEDs	Power, Ethernet
Channel Sizes	PtP Mode
	10/20/30/40/50/60/80 MHz
Channel Sizes	PtMP Mode
	10/20/30/40 MHz
Enclosure Characteristics	Reflector (SGCC 0.6T) / Plastic: PC
Mounting	Pole-Mounting Kit (Included)
Wind Loading	275 N @ 200 km/h (61.8 lbf @ 125 mph)
Wind Survivability	200 km/h (125 mph)
ESD/EMP Protection	± 24 kV Contact / Air
Operating Temperature	-40 to 70° C (-40 to 158° F)
Operating Humidity	5 to 95% Noncondensing
Certifications	CE, FCC, IC

Operating Frequency (MHz)				
Worldwide	5150 - 5875			
US/CA	U-NII-1: 5150 - 5250	U-NII-2A: 5250 - 5350 MHz	U-NII-2C: 5470 - 5725 MHz	U-NII-3: 5725 - 5850

Management Radio (MHz)	
Worldwide	2412 - 2472
US/CA	2412 - 2462

- ANCHO DE BANDA SOPORTADOS : 6 MEGAS -25 MEGAS