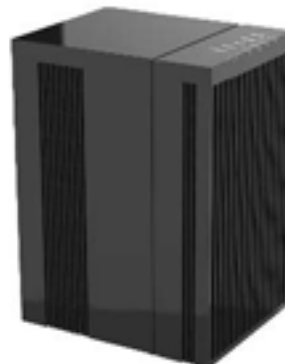


KEY ATTRIBUTES

Range Extender

- Whole Home Coverage Wi-Fi Extender:
 - Layer 2 bridge for High Speed Internet (HSI) data and IPTV video services
 - Self Organizing Network (SON)
 - o Auto Configuration
 - o Band Steering and Client Roaming
 - o Channel Steering
 - Increased Network Capacity
 - IQStream for End-to-End Service Prioritization
 - o Multiple BSS
 - o IPTV STB
 - Bridge port assignment and data traffic mappings
 - MAC filtering
- Wireless:
 - 2.4 GHz and 5 GHz Dual-band simultaneous
 - 2.4 GHz 802.11n certified, 802.11b/g compatible
 - 5 GHz 802.11ac certified, 802.11n compatible
 - Support 802.11k/r/v
 - o 11k: Radio Resource Management
 - o 11r: Fast Roaming
 - o 11v: Wireless Network Management
 - Support 4-address WDS mode
 - WPS push-button
 - WPA/WPA2 Personal
 - Support eight SSIDs Replication
 - 1.7Gbps Radio Backhaul with GigaCenter
 - Channel Optimization SuperDFS & SCS
- One Gigabit Ethernet (GE) interface:
 - Symmetrical 1 Gbps bandwidth for residential IPTV and data services
 - Multi-rate 10/100/1000Base-T Ethernet, autonegotiating
 - If 5 GHz acts as backhaul, then the Ethernet port will act as LAN port.
 - Disables 5 GHz as default backhaul, can use Ethernet as wired backhaul
- Supports multiple data service profiles
- IPTV, IGMPv2 and IGMPv3:
 - IGMP Snooping
 - IGMP Fast Leaves
- Wireless Network Management:
 - TR-069
 - Local Home Gateway GUI, access provisionable
 - Remote WAN side GUI access
 - Default username/password
 - CC+
- RSSI Associated Wireless Backhaul Signal Strength
 -  – RSSI > -50 dBM
 -  – -50 dBM >= RSSI >= -60 dBM
 -  – -60 dBM > RSSI >= -70 dBM
 -  – -70 dBM > RSSI >= -80 dBM
 -  – RSSI < -80 dBM



SPECIFICATIONS

Range Extender

DIMENSIONS

Width: 3.0 in (7.6 cm)
Depth: 4.0 in (10.2 cm)
Height: 5.4 in (13.7 cm)
Weight: 8 oz. (0.2 kg)

WAN INTERFACE

Wired: 10/100/1000 BASE-TX
Ethernet Port, RJ-45
connector
Wireless: 2.4 GHz and 5 GHz 4x4
internal antennas

INTERFACES

Wireless: 2.4 GHz 2x2 and 5 GHz
4x4 internal antennas
1-10/100/1000Base-T Ethernet
ports, RJ-45 connectors
(available when configured
with wireless WAN)
Power: 2-pin connector
WPS Switch: Push-button actuator

DATA

Drop length: 328 feet (100 m)
maximum using CAT5 cable
Auto MDI/MDIX crossover for
1000BASE-TX, 100BASE-TX,

and 10BASE-T ports

WIRELESS

2.4 GHz 802.11 b/g/n 2x2 MIMO
5 GHz 802.11 a/n/ac 4x4 MU-MI
MO, dynamic beamforming
2.4 GHz and 5 GHz simultaneous
8 SSIDs per band (2 SSID
subscriber default)
Auto channel selecting and
interference detection
WPS, WPS push button
Wireless Security: Wi-Fi protected
access (WPA/WPA2) WEP,
MAC address filtering
Wi-Fi multimedia (WMM)
802.11k,802.11v,802.11r

INTEROPERABILITY

GigaCenter (844G, 844GE, 844E, &
854G) and GigaHub (814G & 814F)

MANAGEMENT INTERFACES

LEDS
TR-069 remote management
TR-098 Internet Gateway Device
Data Model
ENVIRONMENTAL

Operating temperature: Indoor
ambient temperature, 0° to
40°C (32° to 104° F)

Operating/storage relative
humidity: 8 to 95 %
non-condensing

Altitude: -200 to 10,000 feet (-61
to 3,048 m) above sea level

CERTIFICATION AND COMPLIANCE

Emissions: FCC Part 15 Class B
CE IC ICES-003 Class B CISPR-22
Safety: UL 60950 and UL 1697
approved
IEEE: 802.3, 802.3AB, 802.3U,
802.11p, 802.11Q
Wi-Fi Alliance Certified 802.11ac
and 802.11n



POWERING

2-pin connector
Input voltage: 12 VDC (nominal), 10
VDC (min.), 11 VDC (max)
External Power Adapter: 12 VDC,
1A