



# CG2200-ED11J

## Cable Gateway

**DOCSIS 3.0 24x8 Channel Bonding  
eMTA Wi-Fi Gateway All-In-One Solution  
for Your Gigabit Wired / Wireless Home Network**

*CG2200 provides powerful internet speed  
over wired/wireless connection based on  
KAON's PowerLink™ technology*



### CG2200 Cable Gateway Key Features

#### Generic

- DOCSIS and EuroDOCSIS 3.0 compliant
- 24x8 channel bonding
- SNMP, TR-069
- 2 FXS for telephony Ports
- Superior heat/power management
- SW architecture – HAL, Extendibility, Modularity

#### Security

- Secure OS\*, DPI\*, WPS, SSL/IPSEC
- Dual NAT, IEEE802.11i, Firewall

#### Maintainability

- TR-069 and TR-181
- SNMP v1,v2,v3
- Wi-Fi Insight
- SON – Self-adjustment/recovery/health check

#### DOCSIS/EuroDOCSIS

- Smart quick scanning
- Full capture tuning range
- Baseline Privacy Interface plus (BPI+)
- DOCSIS 3.0 Security (EAE, SSD)
- Provisioning and setting of CPE features by config file
- Up/Downstream Spectrum Analyzer

#### Wi-Fi Features

- 802.11a/b/g/n/ac dual-band concurrent
- 11n 2x2 (2.4GHz)
- 11ac 3x3 (5GHz)
- Airtime Fairness (ATF)
- QoS (WMM)
- WPS (Wi-Fi Protected Setup) PBC
- Band Steering
- Hot Spot 2.0

#### Network

- IPv4/IPv6 dual stacksupport
- DHCP v4/v6 server/client
- Remote Diagnostics

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### KAON CPE AnyLink™ Specifications

#### RF Downstream

- Bonded Channels : Up to 24
- Demodulation : 64QAM, 256QAM
- Frequency Range : 108 ~ 1002MHz
- Data Rate : Up to 960Mbps
- RF Input Sensitivity Level : -15 dBmV to +15 dBmV (DOCSIS)

#### RF Upstream

- Bonded Channels : Up to 8
- Modulation : QPSK, 8QAM, 16QAM, 32QAM, 64QAM, and 128QAM (SCDMA only)
- Frequency Range : 5 ~ 42 or 85MHz
- Data Rate : Up to 240Mbps

#### Network

- IPv4/IPv6 dual stack support
- IPv6 DS Lite
- VPN Pass-Through (L2TP, PPTP/IPSec)
- DMZ
- DHCP v4/v6 server/client
- DNS proxy
- IGMP(v3), IGMP Snooping, MLD
- VLAN IEEE 802.1q
- Dynamic and Static NAT-NAPT

#### WLAN – KAON PowerLink™

- 802.11a/b/g/n/ac dual-band concurrent
- 11n 2x2 (2.4GHz), 11ac 3x3 (5GHz)
- 20/40/80 MHz channel bandwidth
- Wi-Fi MESH\*, Wi-Fi Scanner, DFS, Best EIRP
- IAS (Intelligent Airtime Scheduling)
- Band Steering
- Hotspot 2.0\*
- Auto-Channel Selection (ACS), Interference Immunity
- WPS (Push button)
- Multi-SSID (up to 8 SSIDs for each frequency)
- QoS (WMM, 802.11e, 802.1p DiffServ, Queuing Classification)
- Security/Encryption modes
  - WEP-64/WEP-128, WPA-PSK/WPA2-PSK (TKIP/AES)
- Beam-Forming
- Output range
  - 2.4GHz -20dBm, 5GHz -27dBm (EIRP)
  - (Total Combined Power, with Antenna Gain)

#### Security/Safety

- Stateful Packet Inspection (SPI)
- VPN pass-through (IPSec, L2TP)
- Port-forwarding
- IP/Port/MAC/URL based Filtering
- NAT, VLAN
- DMZ support
- DoS Attack Protection (TCP, UDP)

#### VoIP

- PacketCable 1.5/2.0
- T-38 FAX relay(G.711)
- DTMF(In-band, 2833, out-band)
- MGCP 1.0/NCS 1.0, SIP for 1.5 and 2.0, IMS for 2.0
- Echo Cancellation (G.165, G.168)
- G.711a/u, G.729A/B, G.722, G.726
- Country specific tones on FXS ports

#### Management/ Diagnostics/ Configuration

- Web-based GUI control configuration and management
- Remote Diagnostics (TR-069, TR-181)
- Quick Setup
- Communication center (Chat, Voice Mail)
- Online Tech Support
- User-friendly Diagnostics
  - Graphical Display, Statistics Info
  - Error Status Notification
- Topology Map

#### Compliance/Certificates

- DOCSIS/EuroDOCSIS
- Wi-Fi Alliance
- CE, FCC, RoHS Compliant

#### Interface

- Front Panel
  - LEDs
- Back Panel
  - F-type 75Ω connector
  - 4 GbE LAN ports
  - 2 FXS ports
  - 1 USB 2.0 port\*
  - 12V DC/2.5 Amps

#### Mechanical & Environmental Specification

- Operating Temperature : 0°C (32°F) ~ 40°C (104°F)
- Storage Temperature : -40°C (-40°F) ~ 70°C (158°F)
- Humidity : 10 ~ 90% (Non-condensing)
- Dimensions (H x W x D mm) : 235 x 190 x 65 mm (excludes "F" connector)

\* indicates optional feature