

CG424

DIBSYS

DOCSIS 3.0 16 x 4 Cable Modem with 4 GbE and Dual WiFi



- DOCSIS/EURODOCSIS 3.0 Standard Compliant
- 16 downstream and 4 upstream channels bonding
- 4-Port Giga Ethernet Interfaces(Auto-negotiation)
- High performance 802.11n 2.4GHz 2x2 and 802.11ac 5G WIFI
- Built-in wifi test tool
- Multiple SSIDs – 8 SSIDs
- SNMP v1/2C/3 and TR069
- VPN/DDNS supported
- 2 Ports RJ11 for VoIP, support MGCP and SIP protocol optional
- Broadcom 33843 as main chipset
- BPI/BPI+ supported
- Software upgrade by HFC network
- Support connected up to 128 CPE devices
- Full Band Capture (FBC), DS frequency shouldn't have to be adjacent

High-speed broadband access

CG424 has the capacity to receive 800M over its EuroDOCSIS interface with 16 bonded channels, and up to 120 Mbps upstream with 4 bonded channels. Provides a cost-effective solution which delivers high-speed and bi-directional data services.

Secure wireless networking

Wi-Fi Protected Setup (WPS) is pre-configured and enabled by default. With WPS enabled the end-user can quickly setup a secure wireless network without the need to manually configure the security settings.

Firewall protection

IPV4/IPV6 fireprotection(low, high, medium), Hacker Intrusion prevention and detection , Block Fragmented IP Packets, Port Scan Detection, IP Flood Detection etc.

Advance setting

WAN Blocking, Ipv6 PassThrough, Multicast Enable, UPnP Enable, Primary Network Bridged, NAT ALG Status setting, IP flitering, mac flitering, port flitering, forwarding, port triggers, DMZ, RIP setup

TECHNICAL SPECIFICATIONS

Downstream /Receiver

Demodulation	QAM 64/256
Frequency Range	88-1002 MHz
Bonded Channels	Up to 16 Channel Bonding
Bandwidth	8MHz
Data Rate	Up to 800Mbps by 16 D/S Channel Bonding
Return Loss	<-6 dB for 88 to 1002MHz
Input Impedance	75 OHM
Receiving Level Range	American Docsis: -15dBmV to +15dBmV Euro Docsis: -17 to +13dBmV (64QAM) -13 to +17dBmV (256QAM)

Upstream/Transmitter

Bonded Channels	Up to 4 Channel Bonding
Modulation Type	
TDMA	QPSK,8QAM,16QAM,32QAM,64QAM
S-CDMA	QPSK,8QAM,16QAM,32QAM,64QAM,128QAM
Frequency Range	5 to 65MHz
Data Rate	Up to 108 Mbps by 4 U/S Channel Bonding
RF Output Level	
TDMA (32/64 QAM)	+17 ~ +57dBmV
TDMA (8/16 QAM)	+17 ~ +58dBmV
TDMA (QPSK)	+17 ~ +61dBmV
S-CDMA	+17 ~ +56dBmV
TX Frequency Error	<+/-15 ppm
Return Loss	<= -6 dB for 5 to 65MHz
Input Impedance	75 OHM

WiFi

IEEE 802.11 b/g/n/ac
BCM43217TKMLG chip
2.4 GHz and 5 GHz Dual Band.
Up to 8 SSIDs
Built-in wifi test tool
20/40/80 MHz channel bandwidth

AP isolate
Wps (wifi protected setup)
Wifi bridge
Built-in antenna
Power regulation
QoS
Encryption
Signal Rate
ransmission Power
Receiving Sensitivity

WMM
WEP, WPA/WPA-PSK, WPA2/WPA2-PSK(AES/TKIP)
300Mbps (11n); 867Mbps (11ac)
>+15dBm @ 11n, 20M, MCS7
ANT0/1:11Mbps -86dBm@8%;
54Mbps -73dBm@10%;
130Mbps -69dBm@10%

Networking

Network protocol
IP /TCP /UDP /ARP/ICMP /DHCP /TFTP /SNMP /HTTP /TR069 /VPN (L2/ L3)
DNS / DHCP server / RIP I&II
NAT / NAPT / DHCP server / DNS
SNMP v1/v2/v3
Built-in DHCP server to distribute IP address to CPE connected to Cable Modem through Eth port and WiFi
Cable Modem automatically gets IP & DNS server address from MSO DHCP server

DCHP client

Mechanical

Led status
PWR, DS, US, Online, LAN, 2.4G WIFI, 5G WIFI, WPS

WPS Button
Power switch
Dimensions (L x W x H)
215mm x 160mm x 45mm

Environment

Operation temperature
-10 to 45°C
Storage temperature
-20 ~ 55°C
Operating Humidity
95% non - condensing
Power Consumption
< 18W (Max. System Loading)