



let's make it **easy**

Commercial **Cable Router**

Model: DDC2700

Overview

The Ubee DDC2700 Commercial Cable Router is an advanced device designed to support the needs of commercial users. The combination of a DOCSIS 2.0 cable modem, router, firewall, and 4-port switch allows for a complete SMB solution. This highly capable commercial cable router provides state-of-the-art filtering and controls allowing administrators to limit URL access and monitor Internet activities. And it's equipped with a double firewall (SPI + NAT) protection to secure computers and networks against hackers.



Key Features & Benefits

- **Robust Security**

Stateful Packet Inspection Firewall that supports TCP/UDP inspection, DoS (Denial of Services) detection and prevention, real time alert, reports and logs.

- **Advanced Routing Features**

With the ability to enable VPN, ACLs, RIPv2, multiple subnets, 1:1 NAT, and many more MSOs can successfully place the Wireless Cable Router into any commercial and residential environment.

- **TACACS+/RADIUS**

TACACS+/RADIUS Telenet Remote Administration authentication provides added security as to who can manage the gateway.

- **Increased Memory**

With 32MB DDR Ram on board, Ambit has the capability to add features and functionality to fit the MSOs needs.

- **Multiple Public IP Addresses**

With the ability to handle multiple publicly routed IP addresses, SMB owners can use multiple subnets to partition their internal networks the way they desire.

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Product Specifications

Hardware

- Cable Interface: F-Connector, female
- CPE Interface: USB 1.1 and 10/100 Based-T RJ-45 Port
- Dimensions: 4.8" (L) x 5" (W) x 1.25" (H)
- Power Consumption: Maximum 8W
- Power Supply: 12V @ 1.0A
- Input Power: 100 ~ 240VAC, 50 ~ 60Hz
- Operating Temp.: 0°C to 40°C (32°F to 104°F)
- Humidity: 5 ~ 95% (non-condensing)

Downstream

- Frequency Range: 88MHz ~ 860MHz
- Modulation: 64/256 QAM
- Maximum Data Rate*:
 - 30Mbps/sec (64QAM)
 - 42.8Mbps/sec (256QAM)
- Symbol Rate: 5.057/5.361/Msymbols/sec
- RF Input/Output Power:
 - 17 to +15dBmV (64 QAM)
 - 15 to +17dBmV (256 QAM)
- Input Impedance: 75 Ω
- Channel Bandwidth: 6 or 8MHz

Upstream

- Frequency Range: 5 MHz ~ 42MHz
- Modulation:
 - A-TDMA: QPSK 8, 16, 32, 64QAM
 - S-CMDA: QPSK 8, 16, 32, 64, 128QAM
- Maximum Data Rate:
 - 0.32 ~ 10.24Mbps (QPSK)
 - 0.64 ~ 20.48Mbps (16QAM)
 - 0.96 ~ 30.72Mbps (64QAM)

RF Output Power:

- A-TDMA:
 - +8dBmV ~ +58dBmV(QPSK)
 - +8dBmV ~ +55dBmV(QAM)
 - +8dBmV ~ +54dBmV (32/64)

*Actual speeds will vary based on factors including network configuration and speed

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