

DC-1100

DC-1200

CABLE MODEM TERMINATION SYSTEM



Coaxial
Networks, Inc.

Coaxial Networks provides an integrated solution to hospitality, MDU, small to medium size MSO, PCO and broadband service providers for deploying quadruple broadband services such as high speed data, voice, video and Wi-Fi. The solution is geared towards cutting down challenges such as cost, multiple systems, installation and rack space faced by the hotels, MDU and MTU operators.

IRIS is a very compact and cost effective solution. The system comprises of all the hardware and software elements tied together to provide one comprehensive solution. Utilizing the existing cable infrastructure, which means no costly rewiring or downtime; operators can quickly deploy broadband services. The core elements of the system are DOCSIS 1.0/1.1 compatible system, provisioning of subscribers and services, bandwidth and policy management. Coaxial Networks provides the complete solution including the CMTS, Software and Cable Modems coupled with network monitoring and end user customer support. The comprehensive package enables the service providers to roll out services in the hospitality, MDU and MTU markets with reduced capital and operational expenditure.

Single Server Broadband Solution

IRIS is a single server broadband solution, which can deploy and manage your broadband IP network. All the required software such as DHCP, NAT, Firewall (IP Filtering) are integrated in the IRIS. The system supports up to 500 cable modems simultaneously depending on the model. Integrated upconverter is software programmable and remotely manageable which accommodates existing CATV frequency plan.

Standards Based Solution

IRIS utilizes the DOCSIS and Ethernet based standards and protocols. You will not be dealing with any proprietary solution.

DOCSIS standard was created to enable data over the cable TV so that both data and video can coexist on the same coaxial wiring infrastructure.

Service Provider choice Layer 2 or Layer 3 Forwarding

IRIS can be configured either as layer 2 bridging device or Layer 3 device. The network interface supports Fast Ethernet data rates up to 100 Mbps.

Remote Administration and Management

IRIS provides remote administration using the Web (HTTP). A command line interface is also provided for users wishing to use the advanced features through Telnet or Serial port. The system can be monitored and configured using SNMP.

Third Party Billing Software

IRIS DC1100 works with multiple leading billing software solutions. This gives service provider flexibility to choose the solution which is best suited for their network.

Advanced Services Deployment for Data, Voice, Video and Wireless

Deploy VoIP, VoD and Gaming services. Aggregate and manage traffics from Wireless Hotspot over cable.

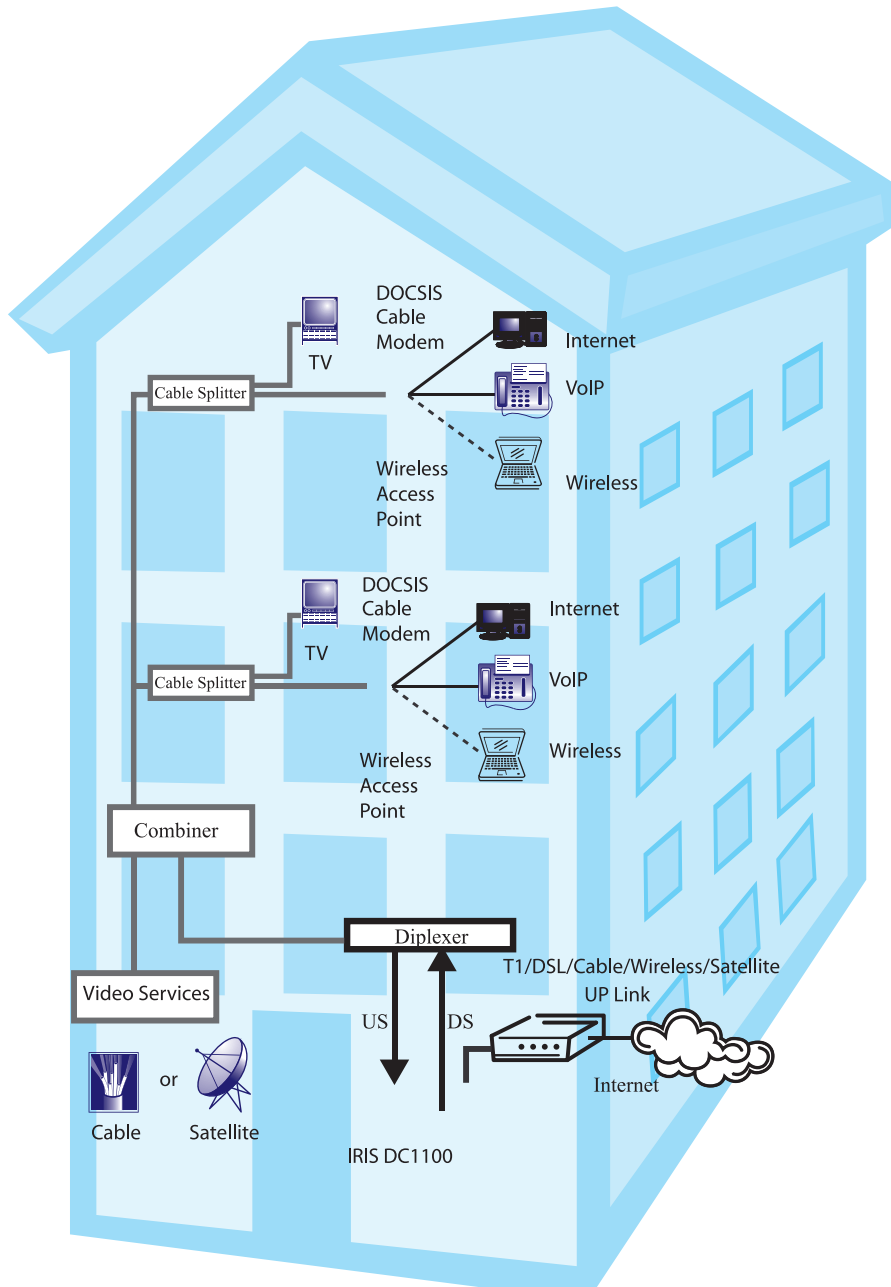
Reliable and Cost Effective Solution

IRIS operating system and server software resides in Flash Memory for reliability. The integration of all the key ingredients for service deployment reduces cost which leads to fast ROI and path to profitability.

Network Monitoring & End User Customer Support

Coaxial Networks provides toll free 24x7x365 network monitoring and customer support for end users. The managed services solution gives the service providers an opportunity to focus on subscribers acquisition.

MxU/Hotel/Mobile Park/Residential



PHYSICAL DIMENSIONS

Height 1.75 in/4.45 cm
 Width 17.5 in/44.45 cm
 Depth 12.0 in/30.48 cm
 Weight 14.0 lbs/6.40 Kgms

PHYSICAL INTERFACES

75 Ohm F Connector, RJ45 10/100 Ethernet, RS232 DB9

INSTALLATION

Front & Back Rack Mountable Flat Wall Mount
 Form Factor 1U Pizza Box

UP-CONVERTER

Programmable Frequency 88-860 Mhz
 Transmit Power 50-63 dBmV
FCC COMPLIANCE
 Part15 Class A and CE

RF SPECIFICATIONS

Frequency Range
 Channel Spacing
 Data Rate
 Modulation

UPSTREAM

5-42 or 65 Mhz
 0.2-3.2 Mhz
 0.32-10.24 Mbps
 16 QAM or QPSK

DOWNSTREAM

88-860 Mhz
 6 or 8 Mhz
 30-53.6 Mbps
 64 or 256 QAM

NETWORK MANAGEMENT & PROVISIONING

DHCP,TFTP,TOD Server
 CLI/Web Interface
 DOCSIS 1.0 and 1.1
 Multiple subnet on coax
 SNMP v1 and v3
 Network Address Translation
 Firewall
 Bandwidth Manager
 Auto provisioning system
 Layer 2 Bridging, Routing

Available models:

DC -1100 250 Subscribers
 DC -1200 500 Subscribers

Specifications subject to change without notice.