

CDS 6100

ROUTER MANAGEMENT CONTROLLER

THE DSL SERVICE PLATFORM ROUTER MANAGEMENT CONTROLLER

CDS 6100 Router Management Controller is a full-featured broadband access solution with a highly-integrated architecture that serves to not only reduce network module costs and setup time, but also increase performance and conserve valuable space for property managers.

CDS 6100 Router Management Controller compactly integrates multiple WAN module connectivity, advance routing features and Subscriber Management functions into a single easy-to-use device that meets all routing needs.

The Windows-based CDS Manager GUI provides a simplified method for configuring the unit with the appropriate routes, physical interfaces, and extensive security measures.



Features & Benefits

Complete WAN Trunk Interface

- Supports a wide range of WAN interface options including OC3/STM1, DS3, T1*, E1*, 10/100Base-T, and V.35* (*Supports up to two WAN Interface modules)

Network Management Functions

- Subscriber management functions capable of assigning bandwidth for each subscriber port.
- UBR / CBR Traffic Shapping management
- Network Management: Windows-Based GUI, Telnet, Console
- Console Reset to manufacture default for disaster recovery
- Remote Manager manages and monitors subscribers status remotely
- Centralized management capability enables remote management and monitoring of subscribers status with different locations.
- SNMP management function

High Speed Routing Functions

- Network Address Translation (NAT)
- Dynamic Host Configuration Protocol (DHCP) support allows easy setup and identification of network clients
- IP Routing
- Routed and bridged packet forwarding

Extensive Security Solutions

- IP packet filtering Firewall - Analyzing all incoming and outgoing packets to control access for unwanted traffic.
- PAP (RFC 1334) Password Authentication Protocol
- CHAP (RFC 1994) Challenge Handshake Authentication Protocol
- MS-CHAP - Challenge Handshake Authentication Protocol by Microsoft®
- Multi-level Password Protection for System Management functions.
- Support VPN: IPsec, GRE, PPTP passthrough

Physical Unit

- Standard modular for 19" rack mount-installation

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Specifications

HARDWARE

Interface

WAN Modules	2 WAN Interface Modules Ports
Ethernet	1 Port - 100Base-T (RJ-45)
56K Analog	1 Port (RJ-11)*
Console	1 Port (RJ-232)
Interlink	1 Port (RJ-11)*

* Reserved for future usage

Front Panel LED

System	Power
WAN Port 1	Link, Activity
WAN Port 2	Link, Activity
Ethernet	Link, Activity
56K Analog	Tx, Rx
ALARM	Critical

SOFTWARE

WAN Support

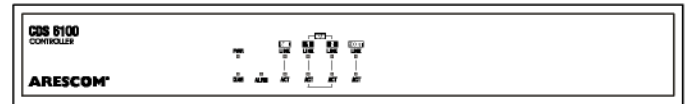
WAN Protocol	Ethernet v2 PPP in HDLC (RFC 1662) Multi-Protocol Encapsulation over ATM (RFC 1483) PPP over ATM (RFC 2364) Classic IP (RFC 1577)
ATM	Support ATM cell format ITU-T I.361 Support ATM forum UNI 3.1 PVC AAL5 PVC (Permanent Virtual Circuit) Support CBR, and UBR OAM F5 loopback support (I.610)
Routing/Forwarding	IP Routing (RFC 791) Routed and bridged packet forwarding

Network Management

Bandwidth Management	ATM CBR, and UBR traffic shapping
System Management	Telnet/CLI Windows based GUI SNMP
Security	PAP (RFC 1334), CHAP (RFC 1994), and MS-CHAP user authentication IP packet filtering Firewall

PANEL

Front Panel



Back Panel



PHYSICAL

Dimensions	(w)17" x (d)13" x (h)2.6"
Rack-mounting	19-inch
Weight	10lb
Power	Autosensing 100/240 VAC 50/60Hz

WAN Interface Modules

	Interface	Framing	Connectors
WIM-OC3/STM1	OC3/STM1	ATM	SM Fiber SC
WIM-T1	T1	HDLC	RJ-48C
WIM-E1	E1	HDLC	RJ-48C
WIM-10/100	10/100 Base-T	Ethernet	RJ-45
WIM-V35	v.35	v.35	
WIM-DS3	DS3	ATM/HDLC	BNC

*Dual WAN Trunk Interfaces available

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ARESCOM
Broadband Internet & Remote Access Solutions

CONTACT:
3541 Gateway Blvd.
Fremont, CA 94538
U.S.A.
tel: 510.445.3638 fax: 510.445.3636
e-mail: sales@arescom.com
www.arescom.com