



OTT-A104 ADSL 2/2+ MODEM

surf the Web at the speed of megabytes!

Product Overview

The OTT-A104 ADSL2+ modem's high performance ADSL/Network Processor and our highly integrated Analog Front End (AFE) device together they provide the industry's most integrated for ADSL-Ethernet bridges and routers.

The OTT-A104 ADSL2+ modem is optimized for embedded applications, handling Layer 2 and Layer 3 protocols, and higher layer applications.

The OTT-A104 ADSL2+ modem supports global deployment, with full compliance to T1.413 i2, G.992.1 and G.992.2 (G.DMT and G.lite), and support for Annexes A and G.992.3 and G.992.4 (G.dmt.bis and G.lite.bis .also referred to as ADSL2), G.992.5(ADSL2+).

The OTT-A104 ADSL2+ modem is external modem supporting flexible ADSL service by providing downstream of up to 24 Mbps and upstream of up to 1 Mbps.



OTT-A104
ADSL 2/2+ Modem

Technical Specification

ADSL Compliance

ANSI T1.413

ITU G.992.1 (ADSL G.dmt), Annex A/B

ITU G.992.3 (G.dmt.bis, also referred to as ADSL2)

ITU G.992.5 (ADSL2plus)

Data Rate

8Mbps (G.992.1 Annex A/B)

12Mbps (G.992.3 Annex A/B, T1.413)

24Mbps (ADSL2plus, Annex A/B, G.992.5)

ATM/ DSL Features

Supports up to 64 (8 by default) Virtual Channel Connections (VCCs)

ATM Traffic Management V4.1 (UBR, CBR, nrt-VBR, rt-VBR)

WAN mode support : PPP over ATM (RFC 2364)

and PPP over Ethernet (RFC 2516)

LAN mode support : Bridged/ Routed Ethernet over ATM (RFC 1483)

and Classical IP over ATM (RFC 1577)

Packet-based QoS for VoIP

AIS/RDI, F4/F5 Loop-Back, F4/F5 Continuity-Check (OAM I.610)

Classical IP - RFC1577, RFC1483,

Classical IP ARP server

IP and Bridging features

MAC-layer Bridge 802.1d

Spanning Tree Protocol.

Ethernet Bridge Filtering for IP and PPPoE

TCP/IP Stack for Router and Host

IP Fragmentation and Reassembly

Unnumbered IP Interfaces

Virtual interfaces

Secondary IP addressing

Multiple internal QoS queues for IP

IP multicast (IGMP)

IGMP Proxy

RIP1 / RIP2



PPP and Tunneling

PAP and CHAP
PPPoE Client
PPPoE over Ethernet
PPP over ATM P(RFC 2364)
PPP dial and hang-up on demand

Security

Stateful Packet Inspection Firewall
Intrusion detection and DoS attack controls
Static NAT with Port Forwarding
Dynamic NAT support
Extensive ALG support
Host Validator (IP Address Filtering)

Configuration and Management

Upgrade Image Validation
DHCP Client (with AutoIP), Server,
Automatic DNS server address (primary and secondary)
Ping, Traceroute
Dynamic ZIPB
TFTP Client and Server
FTP Client and Server
HTTP firmware upgrade (from LAN and Internet)
HTTP One-Click upgrade
Command Line Interface (CLI) via Serial and Telnet
Web based configuration and management
UPnP Internet Gateway Device (IGD) specification (opt.)
DNS Client, Relay.

Environmental Requirements

Operating Temperature : 0 ~ +45
Operating Humidity : 10% ~ 90%

Power Requirements

Input : AC220V, 50/60Hz
Output : DC 12 V / 700mA

Indicators / LED

POWER, LINK, DATA, LAN

PPP and tunneling features

PAP and CHAP
PPPoE Client
PPPoE over Ethernet
PPP over ATM P(RFC 2364)
PPP dial and hang-up on demand

Interface

Ethernet Interface : 10/100 Base-T / RJ-45 (4ea)
ADSL2/2+ Interface : ADSL Line / RJ-11

Dimension (W X H X D)

170X 155 X 41 mm

For Inquiries

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