



# OTT-A101 ADSL 2/2+ MODEM

*surf the Web at the speed of megabytes!*

## Product Overview

The OTT-A101 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-A101 ADSL2+ modem is optimized for embedded applications, handling Layer 2 and Layer 3 protocols, and higher layer applications.

The OTT-A101 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-A101 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-A101**  
**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)

ATMTraffic 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

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

## Power Requirements

Input : AC110~240V, 50/60Hz  
Output : DC 9 V / 600mA

## Indicators / LED

POWER, USB, LAN, ADSL, WAN

## 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  
ADSL2/2+ Interface : ADSL Line / RJ-11  
USB Interface : USB2.0 Full-speed / Type-B

## Dimension (W X H X D)

115X 25 X 120 mm

**For Inquiries**

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