



# Avaya™ X330WAN Modules

## MultiService WAN Access Router Modules

Avaya introduces the X330WAN series of WAN Access Modules for the Avaya™ P330 Stackable Switching System. The X330WAN Modules provide WAN connectivity for the Avaya™ G700 Media Gateway and the Avaya™ P330 switches in an integrated convergence solution.

The high performance and day-one convergence readiness of these modules makes them ideal connectivity solutions for IP Telephony and other applications.

Converged Voice and Data Networks  
Customer Relationship Management  
Unified Communication  
Supported by:  
Avaya Labs and Services

### Integrated Solution

Distributed organizations with multiple branch offices need network solutions that are simple, flexible and scalable.

Avaya X330WAN Modules can simplify your enterprise branch office WAN networking needs by adding high-performance, policy-based WAN routing to the Avaya P330 Stackable Switching System to create a unified, centrally manageable, scalable multiservice LAN/WAN infrastructure.

The overall result is more performance at a lower total cost of ownership.

### Highlights

- WAN interfaces:
  - E1/T1 with integrated CSU
  - Serial (V.35/X.21)
- WAN protocols: PPP and Frame-Relay
- Routing protocols: Static, RIP, OSPF
- Access lists
- Multiple PPP sessions per WAN interface
- Redundancy between WAN ports
- VRRP

#### Day-One Convergence Ready

- Multiple priority queues
- Latency cap for VoIP traffic
- Random early discard
- RTP header compression
- Fragmentation reassembly
- Access Control and Quality of Service (QoS) per interface
- Reservation Protocol (RSVP)\*

#### Management

- Integrated Web-based management
- Avaya™ MultiService Network Manager (part of the Avaya VisAbility™ Management Suite)
- Command Line Interface (CLI)

\*Planned for future release.



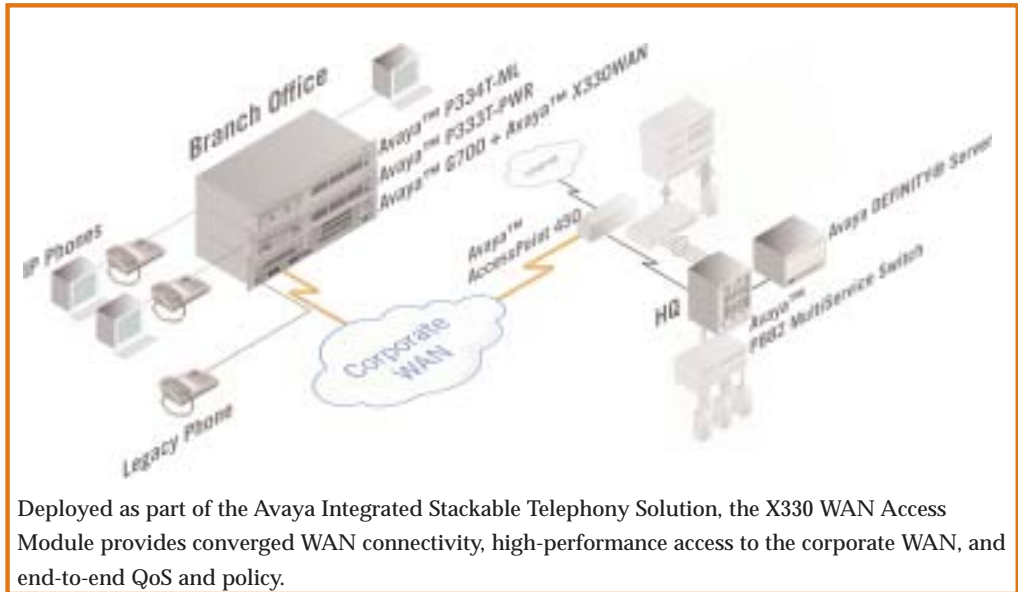
Avaya™ X330W-2USP Module

2 x V.35 + 1 x 100BASE-T



Avaya™ X330W-2DS1 Module

2 x E1/T1 + 1 x 100BASE-T



### About Avaya

Avaya is a global leader and innovator serving customers who require superior enterprise communications to power their business. Over 90% of the FORTUNE 500® as well as many government organizations rely on Avaya for secure network infrastructures and reliable voice and data applications.

For additional information on our Converged Systems, please contact your Avaya Client Executive, Authorized BusinessPartner, or visit us at [avaya.com/learnmore/data](http://avaya.com/learnmore/data). For more information about Avaya and our other award-winning solutions, visit [avaya.com](http://avaya.com).

### Specifications

#### Interfaces

2 x E1/T1 or 2 x USP (V.35, X.21) connectors  
 1 x 10/100BASE-T Ethernet RJ-45 port  
 RS-232 for terminal setup/modem and PPP

#### Standards Supported

##### WAN

T1 - ANSI T1.231 & T1.403  
 E1 - ITU-T G.703 & G.704

##### Routing

Supports major Router and WAN protocols, including RIP, V.1/2, OSPF, PPP, VRRP, Frame Relay, IPSec\*

#### Agency Approval

EMC Emission US - FCC Part 15, Subpart B, Class A  
 Europe - EN55022 class A and EN61000-3-2  
 Japan - VCCI

Immunity Approved according to EN55024 and EN61000-3-3

#### Safety

UL for US approved according to UL60950 3rd Edition Std.  
 C-UL (UL for Canada) approved according to CAN/CSA C22.2 No.60950-00 Std.  
 CE for Europe approved according to EN 61000 Std  
 IEC 60950 for Europe  
 IEC950 CB Schema

#### CLEI Code

According to Telcordia (Bellcore) KS-22022 standard

#### Telecoms

US - FCC part 68  
 Europe - TBR 12,13  
 Canada - IECS003  
 Japan - JATE  
 Mexico - COFETEL

#### Environmental Conditions

Operating Temp: 23 to 122°F (-5 to 50°C)  
 Humidity: 5% to 95% non-condensing

### Ordering Information

Product	Description	Material Code	PEC Code
X330W-2DS1	E1/T1 WAN Access module	700214612	4705-247
X330W-2USP	USP WAN Access module	700247570	4705-320
Serial cable DTE V.35		700247588	4705-321
Serial cable DTE X.21		700247596	4705-322

\*Planned for future release.