

Total Access 900e

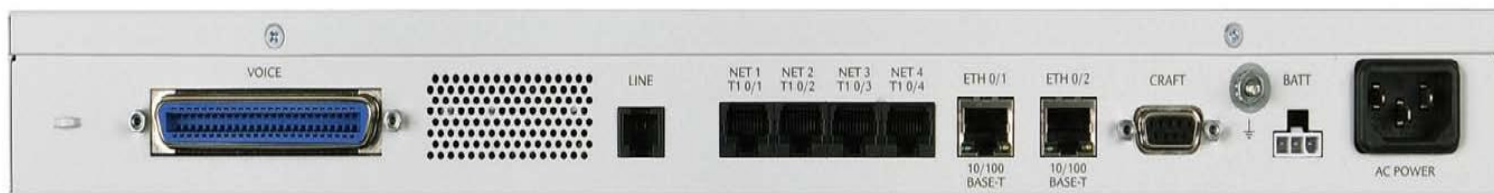
2nd Generation

IP Business Gateway

Front View



Rear View



Physical Interfaces

- **Integrated Ports**
 - Four T1/FT1 Ports
 - Two Auto-sensing 10/100Base-T port
 - 8, 16, or 24 FXS POTS via 50-pin amphenol
 - One FXO Port
 - Ports 3 and 4 Configurable as DSX-1 Ports

Physical Specifications

- Chassis: 1U Rackmount / Wallmount
- Dimensions
 - TA 908e/916e/924e: 1.75" H, 17.25" W, 10" D
- Weight: 6.5 lbs.
- Operating Temperature: 32°F to 122°F (0°C to 50°C)
- Mean Time Between Failure (MTBF)
 - TA 908e: 159,949 Hrs
 - TA 916e: 144,467 Hrs
 - TA 924e: 130,532 Hrs
 - TA 924e w/ 8 FXO: 95,603 Hrs
 - TA 924e w VPN Card: 127,617 Hrs

Firewall

- Stateful Packet Inspection Firewall
- Basic NAT (1:1), NATP (Many: 1), and Port Translation (PAT)

Virtual Private Network (VPN)

- IPSec Tunnels – Software: 5, with VPN Card: 50
- Encryptions: DES, 3DES, and AES

Advanced Feature Support

- Policy-based Routing (Data Packets Only)
- Multi-VRF
- VQM (Voice Quality Monitoring)
- Top Talkers (Integrated Traffic Monitoring)
- Top Web Sites Reporting
- WLAN Controller (Controls up to 8 Netvanta 150s)
- Network Monitor
- Source and ANI Based Routing (SABR)

Packet-based Voice Resources

- CODECs
 - G.711-64k PCM
 - G.729a-8k CS-ACELP
- B2BUA for remote survivability

Power Specifications

- Auto-ranging Power: 90–120 VAC
- Power Consumption (All models)
 - 53 W max
 - 180 BTU max
- Max Current Draw: 1.5A

Memory/Processor

- 450 MHz Processor
- RAM: 128 MB
- FLASH: 32 MB

Performance and Design Considerations

- Voice
 - 84 Simultaneous SIP to SIP Conversations
 - 48 Simultaneous TDM to SIP Conversations
 - 4 Active T.38 Session
 - 64ms Echo-tail length
- Data
 - T1 Bandwidth: 4 T1 max
 - PPPoE Sessions: 1 max

WAN Protocols

- PPP
- PPPoE
- HDLC
- Frame Relay
- GRE

Routing Protocols

- eBGP/iBGP
 - Up to 16 Neighbors
 - OSPF
- RIP (v1 and v2)

Administration and Management

- Command Line Interface (CLI)
- Web-based GUI
- HTTP / SSL
- Telnet / SSH
- Portal Lists (Restricted Access Modes)
- TACACS+
- RADIUS AAA
- n-Command® Support
- SNMP v3
- SYSLOG Logging
- Discovery Protocol (LLDP)

- SIP Transparent Proxy
- T.38 Fax Support
- Call Control Protocol: SIP or MGCP

Supported Feature Servers

- SIP
 - Broadsoft
 - Sylanro
 - Metaswitch
 - Nortel MCS
 - Nortel CS2000
 - Sonus
 - Asterisk
- MGCP
 - Broadsoft Broadworks
 - General Bandwidth G6
 - Metaswitch VP3500
 - Nortel CS2000

Quality of Service

- Layer 3
 - Low Latency
 - Weighted Fair Queuing (WFQ)
 - Class-based WFQ (CBWFQ)
 - DiffServ Packet Marking and Recognition

DHCP

- Client, Server, and Relay

AOS Firmware Support

- Current Version: A2.01 (09/04/2008)
- Initial Version: 14.07 (11/15/2007)

Agency Approvals

- FCC Part 68
- Industry Canada CS03
- ETL and Canadian ETL (C-ETL)
- FCC Part 15, Class A

Warranty

- 10 Year (Repair & Return)
- www.ADTRAN.com/Warranty

Product Includes

- All Total Access 900e units ship with the following:
 - Wallmount Brackets
 - Power Cord (7.5')
 - ADTRAN OS Documentation CD
 - Total Access 900e Quick Start Guide

For additional product information including data sheets, manuals, installation guides, etc. please visit :
www.ADTRAN.com/TA900e

For network design assistance or general inquires please visit:
www.ADTRAN.com/DesignAssistance

Ordering Information

Chassis & Upgrades	Part Number
Total Access 908e 2 nd Gen	4242908L1
Total Access 916e 2 nd Gen	4242916L1
Total Access 924e 2 nd Gen	4242924L1
Total Access 924e (8 FXO + 16 FXS) 2 nd Gen	4242924L2
Total Access 924e w/VPN Card 2 nd Gen	4242924L3
Cables/Accessories	Part Number
NetVanta Router Console Cable	1200881L1
IAD Installation Kit	1800001L1
IAD 8-Port Breakout Box	1200927L8
TA 912, 916, 924 19" Rackmount Kit	1200927L19
TA 912, 916, 924 23" Rackmount Kit	1200927L23
Rackmount or Wallmount Battery Backup	1175044L1
Wallmount Battery Backup	1175044L2
19" Battery Backup Rackmount Brackets	1175047L1
23" Battery Backup Rackmount Brackets	1175048L1
IAD to Battery Backup Bracket (L1)	1200927L1
IAD to Wallmount Battery Backup Bracket (L2)	1200927L2

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