

NetVanta[®] Unified Communications Solutions

Personalizing Unified Communications



Making your communications network simple and affordable.

Your organization's communications network serves many needs in today's fast-paced business world. It's a collaboration tool with a supplier. It's a source for fast and reliable access to employees traveling or working remotely. Is your network keeping up with your customers' expectations for timely communications? With ADTRAN's NetVanta® solutions, your communications network is exactly what you need it to be. It's more efficient and more productive, and flexible enough to adapt to your company's specific needs — now and in the future.

Flexible Product Offerings to Meet a Variety of Business Needs

The business and network challenges you face vary. ADTRAN® responds to the specific needs of your business with flexible, customizable solutions, a wide range of hardware, software and services, and first-class customer support. We understand the challenges that SMBs and enterprise customers face when making a network communications purchase decision. That is why we offer a full line of IP telephony software and hardware solutions that provide the right fit for your network at a price-point you can afford.

Unique Business Challenges — Solutions to Fit Your Needs

NetVanta Unified Communications Solutions remove the barriers to productive and effective business communications by enabling individuals, departments, and locations to communicate and exchange information quickly and easily with the people that matter most to your business.

Now you can respond to customers quickly and professionally by integrating your business communications, processes, applications, and corporate data into a single, easy-to-use application.

Affordable Communications Solutions

Whether you are replacing a PBX or key system, or establishing a new location, you can lower your Total Cost of Ownership (TCO) with NetVanta UC Solutions. ADTRAN's VoIP solutions require a significantly lower initial investment and on-going maintenance expense when compared to traditional systems. Cost savings are achieved by consolidating voice and data networks, which reduce monthly service charges. In addition, the NetVanta hardware includes free firmware upgrades and an industry-leading five-year warranty with extended service options to further reduce TCO.



Unified Communications

Many convergence solutions often lack key capabilities such as true unified messaging, system administration and line-of-business integration tools that can provide a real return on your business investment. With ADTRAN's broad line of UC solutions, businesses of all sizes can customize a solution that meets the needs of their workforce and customer-facing services. NetVanta UC Solutions include a suite of products that provide a wide range of features to fit small and medium-sized business applications, as well as large corporate enterprise needs. Whether you desire to maintain a small-office PBX servicing SMBs or remote offices, or you need an enterprise-class, multi-site solution for up to thousands of users, ADTRAN's solutions fit the bill.

IP Communications Platform

The NetVanta 7100 represents a breakthrough in next-generation communications systems. This unique Office-in-a-Box contains everything businesses need to deploy a converged IP voice and data network for small- to medium-sized offices, including a full-function IP PBX for voice. It features an integrated 24-port Power over Ethernet (PoE) switch-router for data, a stateful inspection firewall for security, and Virtual Private Network (VPN) for secure Internet tunneling. The only other require-

ments for deploying your VoIP network are connections from the service provider and cables to the desktop.

IP PBX

The NetVanta 7060 simplifies the implementation of VoIP for businesses that already have an IP data network established. The NetVanta 7060 complements the existing network, quickly enabling VoIP by providing IP PBX functionality which includes SIP-based telephony features, voice mail, multilevel auto attendant, caller ID name/number, and all the other features a business needs for a complete VoIP network.

IP Phones

ADTRAN offers standards-based SIP phones designed to address the growing converged VoIP and IP telephony marketplace. The ADTRAN series of phones include a variety of features and functions to meet your stringent business needs and includes multiple-line desk phones, conferencing phones, phones with HD voice, operator or attendant console stations, and add-on expansion modules. ADTRAN IP phones offer an affordable, feature-rich VoIP solution that delivers unsurpassed quality and performance.



NetVanta Unified Communications Solutions

NetVanta Unified Communications	4
IP Telephony: NetVanta 7000 Series	6
IP Phones and Accessories	8
NetVanta Unified Communications Solutions	10
Support, Installation, and Maintenance Services	12
ADTRAN University	13
Total Solution Alliance	14

Improving communications and increasing productivity.

Add Unified Communications to Existing PBXs

NetVanta Unified Communications (UC) software is designed for Microsoft Windows® platforms and provides all the capabilities of unified communications – without the need for a forklift upgrade. It is perfect for organizations that already have one or more PBXs, but want the added benefits of unified communications. NetVanta UC is capable of supporting unified communications on one or more different types of PBXs from most manufacturers (including ADTRAN, Avaya®, Nortel®, Cisco®, Mitel®, NEC®, and Siemens®) to provide a centralized UC solution. NetVanta UC's "blend and extend" approach lets you leverage your existing investment and transition to UC and IP telephony at your own pace without a "rip and replace."

Feature Rich with Scalability

This feature-rich platform offers advanced unified communications services like:

- Unified messaging
- Voice mail
- Fax server
- Auto-attendants
- Personal assistants
- Inbound and outbound IVR
- Graphical drag-and-drop service creation
- One number and call redirection services
- Notifications

A cost-effective and fully integrated solution, the NetVanta UC Server scales up to 2,000 users on a single server and is administered and managed through an intuitive, user-friendly interface.

Delivering Unified Communications Quickly, Affordably

The NetVanta UC Server can be installed in one of two modes—standalone or within a customer's Active Directory®. When integrated with Active Directory, the Microsoft Active Directory Users and Microsoft Management Console (MMC) Snap-ins can be used to administer and manage users. The NetVanta UC Server allows your IT staff to manage your business communications services using the same user accounts and security policies used in your Windows environment, without any programming or special integration. Adds, moves, and changes become easy, and security policies become universal throughout the company. In addition, with single user login, your users will never have to log into your business communications system separately.

NetVanta UC Server

Software-based Unified Communications for Existing PBXs

- Full unified messaging: voice, fax, email
- Microsoft Outlook integration with click-to-dial
- Scalable architecture for future growth
- Multi-site support for centralized messaging
- Active Directory administration
- Find-me/Follow-me

NetVanta Business Communications Server

Hardware-based IP PBX and Software-based UC for SMEs

- IP PBX supports up to 100 SIP stations per device or unit
- Includes IP router, PoE switch, firewall, and VPN
- Full unified messaging: voice, fax, email
- Multi-site support for centralized messaging
- SIP trunking and multi-site networking for Off Net Calls
- PBX and key system modes supported



NetVanta UC 420 Platform

The NetVanta Unified Communications (UC) 420 Platform is a specially designed, dedicated server for NetVanta UC Solutions. This platform comes pre-installed with Microsoft Windows Server 2008 R2 and ADTRAN's NetVanta UC Solutions, providing a quick UC deployment for small and medium enterprises.



NetVanta Unified Communications Business Solutions

- Manage voice, fax and email messages in one place
- Bridge the gap between desktop phones, cell phones and email, as well as office locations, mobile employees and teleworkers
- Give employees the tools they need to communicate effectively with customers, business partners and coworkers across cell phones, desktop phones, email and pagers
- Auto-attendant and personal call control tools get calls to employees, whether they are in the office or on the road
- Manage voice mail, fax messages, and email from your inbox, your desktop, your BlackBerry®, iPhone®, or mobile devices
- Send faxes from your desktop
- Listen to email messages from any phone
- Get new message notifications sent to your phone, pager or other mobile device
- Differentiate competitively by providing information to customers 24/7
- Build communications-enabled services and applications with point-and-click service creation environment

NetVanta Enterprise Communications Server

Software-based IP PBX and Unified Communications for Enterprises

- IP PBX scaling from 75 to 2,000 SIP stations per server
- Full unified messaging: voice, fax, email
- Microsoft Outlook integration with click-to-dial
- Scalable architecture for future growth
- Multi-site support for centralized messaging
- Active Directory administration
- Conference server
- Overhead and handset paging

NetVanta Business Application Server

Software-based Communications Server for Customized Business Processes

- Database integration to streamline business processes
- Inbound/outbound IVR
- ODBC-enabled IVR and CEBP
- Rule-based call control/redirection
- Customized business communications processes for virtually any market
- Read email messages from any telephone with text-to-speech

IP Telephony made simple.

The NetVanta 7000 Series greatly simplifies installation, configuration and network administration. In addition to reducing the number of devices to be managed, it reduces cabling, frees up space and eliminates the interoperability issues associated with traditional multi-box VoIP implementations.

Option Modules

- T1, ADSL Network Interface Modules (NIMs)
- Analog (FXS, FXO) Voice Interface Modules (VIMs)
- T1/PRI Voice Interface Modules (VIMs)
- Fiber, SFP Modules



NetVanta 7100

- IP PBX (100 SIP phones)
- PBX and key system modes
- Integral SIP Gateway, native SIP trunking
- 2 FXS and 2 FXO analog interfaces (expansion modules optional)
- Supports analog phones, fax, modems, and credit card readers

NetVanta 7100

The NetVanta 7100 is a complete voice and data networking solution for business locations of up to 100 stations. This innovative platform includes an IP PBX, voice mail, multilevel auto attendant, full-featured IP router, firewall, Virtual Private Network (VPN), 24-port Power over Ethernet (PoE) (802.3af) Fast Ethernet switch with Gigabit uplinks, and two expansion slots for Network Interface Modules (NIMs) and Voice Interface Modules (VIMs).

The NetVanta 7100 IP PBX functionality includes SIP-based telephony features such as voice mail, multilevel auto attendant (eight ports), caller ID name/number, Shared Line Appearances (SLA), Busy Lamp Field (BLF), Class of Service (CoS), trunk groups, music on hold, overhead paging and a

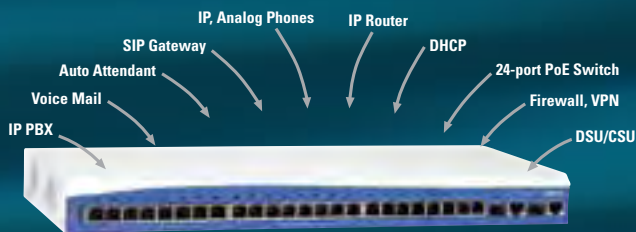
- Integrated voice mail (3,000 messages, 8 ports)
- Multi-level auto attendant (multilevel, 8 ports)
- Ethernet WAN interface
- Busy Lamp Field (BLF); Shared Line Appearances (SLA) over analog, T1/PRI or SIP trunks
- Includes 24-port PoE switch
- Full function IP access router included
- Integral stateful inspection firewall protects against Denial of Service (DoS) attempts
- Voicemail to email

number of call options including call coverage lists, forwarding of calls to a cell phone and email notification of voice mail.

NetVanta 7060

The NetVanta 7060 is an IP telephony solution ideal for business locations that already have an IP data network established with routing and VPN functionality. The NetVanta 7060 is an unbundled solution providing IP PBX functionality for up to 100 stations which includes SIP-based telephony features, voice mail, multilevel auto attendant, caller ID name/number, COS, trunk groups, music on hold, overhead paging, and a number of call options including call coverage lists, forwarding of calls to a cell phone, and email notification of voice mail.

- IPSec VPN tunneling with DES/3DES/AES encryption
- SIP-aware firewall
- Door relay, Music On Hold (MOH) interfaces
- T.38 Support
- Voice Quality Monitoring (VQM)
- Handset and overhead paging
- Shared call appearance
- ACD/Call Queuing
- Find Me Follow Me/Simultaneous Ring
- E911 Support



NetVanta 7100
A Complete Voice and Data
Office in a Box for Business

Multiple Functions in a Single Box

The NetVanta 7000 Series offers all the business-class functionality Small- to Medium-sized Businesses (SMBs) and distributed enterprises require, at an affordable price. The all-in-one platform consolidates multiple functions in a single, easy-to-manage platform. Both the NetVanta 7100 and 7060 include multiple levels of auto-attendant functions and a system scheduler. This allows the customization of auto-attendant functions based on the time or day settings programmed. The NetVanta 7000 Series also works in key system mode and PBX mode for increased flexibility and ease of use.



NetVanta 7060

- IP PBX (100 SIP phones)
- PBX and key system modes
- Integral SIP Gateway, native SIP trunking
- 2 FXS and 2 FXO analog interfaces (expansion modules optional)
- Supports analog phones, fax, modems, and credit card readers

- Integrated voice mail (3,000 messages, 8 ports)
- Multi-level auto attendant (multilevel, 8 ports)
- Busy Lamp Field (BLF); Shared Line Appearances (SLA) over analog, T1/PRI or SIP trunks
- Includes 24-port PoE switch
- Voicemail to email
- Door relay, Music On Hold (MOH) interfaces
- T.38 Support

- Voice Quality Monitoring (VQM)
- Handset and overhead paging
- Shared call appearance
- Call pickup
- ACD/Call Queuing
- Find Me Follow Me/Simultaneous Ring
- E911 Support



NetVanta 7000 Series Benefits and Value Proposition

- Affordable and cost-effective IP PBX for small to medium offices
- Consolidates trunks, lowers recurring expenses and toll charges
- No phone or voice mail licenses required
- Supports Voice Quality Monitoring (VQM) and Mean Opinion Score (MOS) reporting
- Reduces the need for network readiness assessments
- Simplifies IP convergence by combining multiple functions in one compact platform
- Simplifies cabling and sparing; conserves space
- Single management system for setup and administration with point and click Moves/Adds/Changes
- Feature-rich ADTRAN Operating System (AOS) provides voice-data convergence without compromising functionality

An IP Phone for every occasion.

ADTRAN offers SIP-enabled phones designed to address the growing converged VoIP and IP telephony marketplace for small businesses and multi-site enterprises. ADTRAN phones offer an affordable and standards-based solution that delivers unsurpassed quality and performance.

The Power of Partnerships

ADTRAN and Polycom® have partnered to deliver a broad range of IP phone solutions for the VoIP market, from multiple-line desktop phones, conferencing phones, phones with HD voice, operator or attendant console stations, and add-on expansion modules. Through this partnership, ADTRAN and Polycom have worked together to ensure interoperability of the Polycom SoundPoint IP series of SIP phones with ADTRAN IP telephony solutions.

Ease of Use, Style and Productivity

ADTRAN's IP phones deliver an attractive and functional business-class telephone for today's businesses, all at affordable and cost-effective prices. In addition to the appealing desktop style for business offices of any type, users will appreciate the large, backlit, easy-to-read LCD screens and well-designed layout of frequently used buttons and functions. On-screen menus and navigation keys work together in an intuitive, user-friendly manner. ADTRAN's IP phones are designed to provide enhanced efficiency and convenience for the user.

Quick, Easy Set-up

ADTRAN and Polycom phones feature an intuitive, Graphical User Interface (GUI) for easy set-up and installation. The phones can be directly powered from the NetVanta 7000 Series or a PoE switch, providing inline power and eliminating the need for a separate power supply. The phones also have two Ethernet ports to connect to a PC for converged voice and data across a single wiring infrastructure. ADTRAN phones can be locally powered, allowing for multiple options for worry-free installation and ease of use.



Conference Phones

IP 6000

- Large conference rooms
- 12 foot mic pickup



IP 5000

- Small conference rooms/Executive office
- Up to 6 participants



Executive Phones

IP 670

with color display

- Executive office
- Telephone attendant's desk
- 6 line
- GigE
- USB port
- XHTML microbrowser



Performance Phones

IP 712

- Executive office
- Telephone attendant's desk
- 12 line
- Fast Ethernet
- Large backlit display



IP 650

- Manager/Professional office
- Telephone attendant's desk
- 6 line
- GigE
- USB port
- XHTML microbrowser



ADTRAN-Polycom IP Phones

ADTRAN and Polycom have partnered to deliver a broad range of IP phone solutions for the VoIP market. These phones range from desktop to conference room, executive to economy versions, and offer varied features and functions.



Mid-high Phones

IP 706

- Manager/Professional Office
- Telephone attendant's desk
- 6 line
- Fast Ethernet
- Large backlit display



IP 560

- Manager/Professional Office
- 4 line
- GigE
- XHTML microbrowser



Mainstream Phones

IP450

- General office/Cubicle
- 3 line
- XHTML microbrowser



Economy Phones

IP 331 and IP 321

- Call centers/Common areas (lobby, copy/break room)
- 2 line
- Dual port switch (IP 331 only)
- XHTML microbrowser



Accessories

Door Phone

- Entry applications
- Analog Speaker phone
- Call button



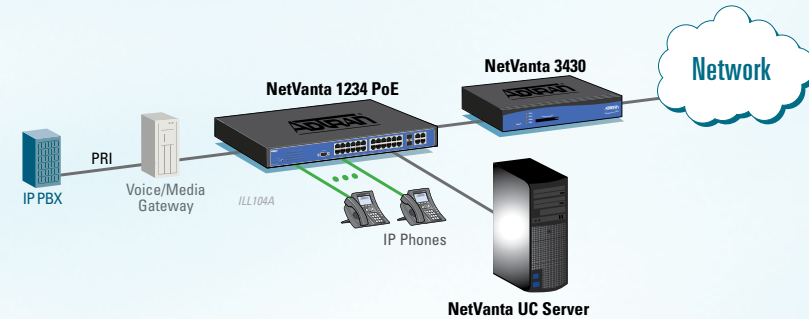
Soft Phone

- Software phone
- VoIP communication
- Windows® or Vista-based platforms

Third-party Integration

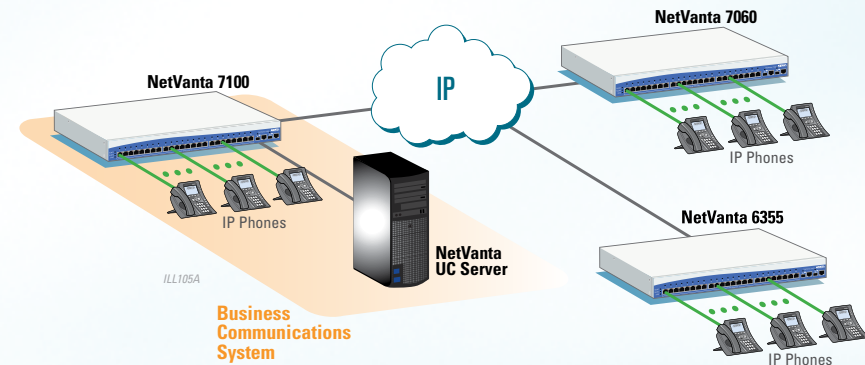
Many businesses believe that they need a whole new VoIP system just to get unified communications. NetVanta UC Server makes unified communications widely available as Windows-based software that easily integrates with most mainstream PBX systems — no need for a new PBX system, no need for new phones, no need for VoIP.

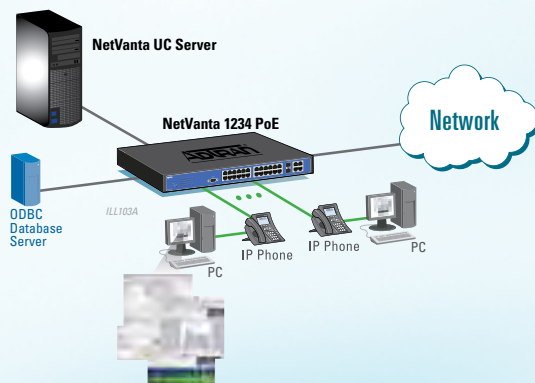
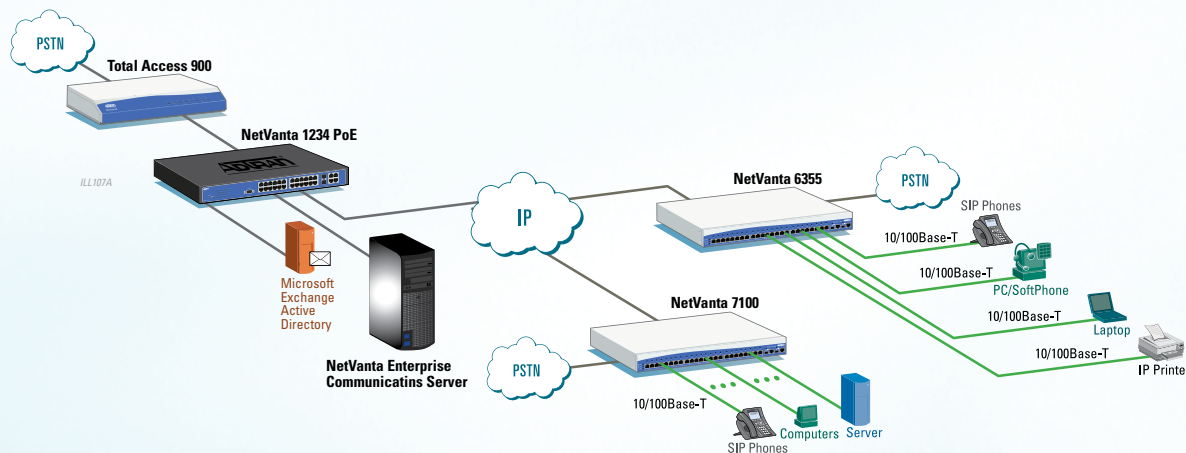
NetVanta UC Server integrates with a wide range of PBX systems from AVAYA, Mitel, Nortel, Cisco, NEC, Siemens, Alcatel and other vendors. This solution enables businesses to add unified messaging, unified communications, fax server, auto-attendants, find me/follow me, and many more features to an existing PBX system—all in one cost-effective, integrated solution administered and managed through Active Directory.



Small and Medium Enterprise

Responding effectively to customer calls is key for a small and medium business. Lots of SMEs want a feature-rich unified communications system, without the difficulties of maintaining one. Combining the NetVanta 7100 for a complete voice and data networking solution with NetVanta UC Server creates a truly unified solution that addresses the business communications needs of the SME market. With the NetVanta Business Communications System, employees can manage new message notifications to their mobile devices of their choice, with a simple Windows-based interface.





Large Enterprise

One of the greatest challenges facing businesses today is keeping up with customers' expectations for timely communications. The challenges are everywhere. NetVanta Enterprise Communications Server removes the barriers to productive and effective business communications by enabling individuals, departments and locations to communicate and exchange information quickly and easily. With simple line-of-business integration tools that allow for self-service, call-flow management, and unified messaging, businesses can easily drive workforce productivity.

Automated Business Processes

The NetVanta Business Applications Server provides businesses with a simple, cost-effective way to improve customer responsiveness, customer service and customer retention with communications-enabled business processes. In this configuration, the NetVanta Business Application Server integrates with line-of-business data in ODBC database for inbound and/or outbound IVR. No matter the time of day, when a customer calls to check the status of an order, the NetVanta Business Application Server can do a database lookup. With the text-to-speech engine, it can then verbally respond with the correct status of the order by simply "reading" what has been captured in the database.

Support, installation, and maintenance services.

Having insurance is a necessity and your network is no exception. For that reason, ADTRAN provides an industry-leading product warranty with award-winning customer support and service.

Put Your Mind at Ease That Your Network is Protected

All ADTRAN products come standard with an industry-leading domestic warranty, pre-sales design assistance and post-sales technical support provided by a staff of highly trained network engineers. In addition, a number of system engineers are regionally based throughout the United States, Canada and abroad to support distribution, reseller, and customer support and training needs. ADTRAN's warranty also includes a return-to-factory and repair and replacement program. Phone support is free for the life of the product warranty for troubleshooting and is available during normal support hours. Emergency after-hours support is available for network outages.



Installation and Maintenance Services

For customers who need an extended guarantee or a more rapid response, ADTRAN offers a comprehensive and flexible Installation and Maintenance Services program designed to ensure the equipment is properly installed and the network is protected from unnecessary downtime. With the ADTRAN Custom Extended Services (ACES) program customers can design the appropriate level of support from fully trained, ready-to-assist technical experts. ACES offers priority access to an entire group of operations and engineering experts including ADTRAN's technical support engineers, as well as a trained network of field support engineers.

Installation services include product selection, application validation, configuration, staging, installation and testing. Ongoing support and service with options for on-site and remote installation services for both ADTRAN products as well as select products from other manufacturers is also available.

Maintenance services include guaranteed rapid phone response, options for four-hour or next-business day product replacement, depot sparing, 7x24 or 5x8-support coverage for troubleshooting via phone or emergency on-site needs, and four-hour, on-site field response. For 24/7 access to online technical support resources visit www.adtran.com/support.



ADTRAN University

ADTRAN provides innovative training solutions for dynamic organizations. ADTRAN designs training programs, taking into account varying skill levels and job functions. ADTRAN also offers optional professional certification programs to help you structure and individualize your continuing education.

Certification Options

ADTRAN certifications include both sales and technical certifications. These certification programs are designed to equip qualified individuals and companies with the market and technical knowledge required to excel in the selling, installation and configuration of ADTRAN products and solutions.



■ Sales Certification

ADTRAN Sales Professional (ASP)

This certification is designed specifically for networking professionals working primarily in non-technical capacities such as sales, marketing and management. This certification provides fundamental knowledge of networking technologies as well as identifies features, opportunities and benefits of the ADTRAN solutions.

■ Technical Certification

ADTRAN Technical Support Associate (ATSA)

This certification provides the networking professional with product knowledge, features, applications, and benefits. This certification is the prerequisite foundation for the professional-level technical certification program.

ADTRAN Technical Support Professional (ATSP)

This certification provides an individual with hands-on skills in addition to conceptual knowledge of the subject matter. This certification expands on the ATSA curriculum and exposes the student to the installation and maintenance of ADTRAN solutions.



Training Options

ADTRAN brings its internetworking and telecommunications expertise to you through classroom, on-site and e-Learning training options, including:

■ Instructor-led Classes

■ Customer Location

■ e-Learning

- Computer-based Training (CBT)
- Virtual Classroom

For more information on ADTRAN learning opportunities, visit www.adtran.com/university or 800-615-1176.

A total solution.



ADTRAN'S Total Solutions Alliance

ADTRAN works with the industry's best of breed to deliver the broadest portfolio of the highest quality converged services to the small-medium business and enterprise customer. ADTRAN and our alliance members have worked together to ensure the combined solution can be deployed with the highest level of confidence and the minimum time to market. To see a complete list of our partners, visit www.adtran.com/TSA



Feature Matrix by Product

Brand	NetVanta		NetVanta Unified Communications			
Product	7060	7100	Enterprise Communications Server	Business Communications System	UC Server	Business Application Server
PBX	Yes	Yes	Yes	Yes	–	–
Key System Emulation	Yes	Yes	–	Yes	–	–
VPN/Router/Firewall	–	Yes	–	with NetVanta 7100	–	–
PoE Switch	Yes	Yes	–	Yes	–	–
Voice mail	Standard	Standard	Advanced	Advanced	Advanced	–
Auto-attendant	Standard	Standard	Advanced	Advanced	Advanced	–
Unified Messaging	–	–	Yes	Yes	Yes	–
Click-to-dial	Standard	Standard	Advanced	Advanced	PBX Dependent	–
Fax Server	–	–	Yes	Yes	Yes	Yes
Auto-attendant (visual)	–	–	Yes	Yes	Yes	Yes
IVR	–	–	Yes	Yes	Yes	Yes
Outbound Notifications	–	–	Yes	Yes	Yes	Yes
Database Integration	–	–	Yes*	Yes	Yes*	Yes
Conference Server	–	–	Yes	Yes	–	Optional
Paging Server	–	–	Yes	Optional	–	Optional

*Database integration is optional in some bundles.



Smart solutions for a connected world.

ADTRAN, Inc. is a leading global supplier of networking and communications equipment with an innovative portfolio of more than 1,700 solutions for use in the last mile of today's telecommunications networks. Widely deployed by carriers, distributed enterprises and Small- to Medium-sized Businesses (SMB), ADTRAN solutions enable voice, data, video, and Internet communications across copper, fiber and wireless network infrastructures. Our solutions are currently in use by every major U.S. service provider and many global ones, as well as by thousands of public, private and governmental organizations worldwide.

Gold Certified Partners represent the highest level of competence and expertise with Microsoft technologies.

Microsoft®
GOLD CERTIFIED
Partner

Simple, Reliable, and Affordable

When you need a networking solution that fits the unique connectivity requirements of your business, ADTRAN is the smart alternative. Our product portfolio offers a breadth of solutions, including a product suite that is tailored to the specific needs of SMB and distributed enterprise customers. With ADTRAN's award-winning and innovative NetVanta switches, routers, multiservice access routers, VPN solutions, wireless, IP Telephony, and unified communications products, it is easy to find a quality solution that is perfect for your specific network needs.

Every product is backed by an industry-leading warranty, best-in-class telephone technical support from our team of degreed engineers, and is eligible for free firmware upgrades. As a TL 9000 3.0 and ISO 9001:2000 certified supplier supporting next-generation quality standards, the company maintains in-house labs for reliability, component and compliance testing — all with a focus toward customer satisfaction.

Comprehensive Training and Certification Services

ADTRAN provides innovative training solutions designed with a focus toward varying skill levels and job functions. Professional certification programs are designed to help customers structure and individualize continuing education needs. Access to the certification and training programs includes both free and fee-based options. Sessions are available both on- and off-site, using Instructor-Led Training (ILT); Computer-Based Training (CBT); or virtual classroom training with real-time, Web-enabled classes.

Technical Questions

800 615-1176

www.adtran.com/support

Where To Buy

877 280-8416

www.adtran.com/where2buy

Training and Certification

www.adtran.com/training



IP Communication Platform with IP Phones
NetVanta 7100, 7060



IP Business Gateway for Trunking and Hosted VoIP
NetVanta 6000 Series



Multiservice Access Router
NetVanta 3448, 3458, 1335



IP Business Gateways for Business Trunking
Total Access 900/900e Series



Modular Access Router
NetVanta 3000, 4000, 5000



Fixed-port Access Router
NetVanta 3100



Ethernet Switch
NetVanta 1200s and 1500s



Wireless Access Point
NetVanta 150



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ADTRAN is an ISO 9001, ISO 14001,
and a TL 9000 certified supplier.

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