

# Features and Functionality

## NetVanta 7000 Series

### NetVanta 7000 Series and IP Phones Overview

The NetVanta 7000 Series and IP Phones is a suite of products designed for Small, Medium, and Distributed Enterprise networks. Whether you are opening a new business or looking to update an outdated, out of warranty phone system, ADTRAN's NetVanta solutions are the answer for all your voice and data networking needs.

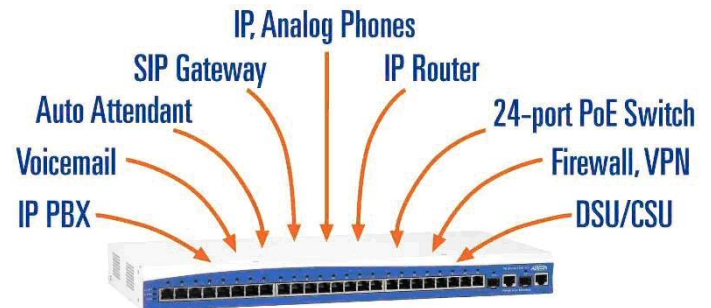
#### ADTRAN Advantage

- **All-in-one:** Complete VoIP communication system providing voice and data networking in a single platform from one vendor
- **Flexibility:** NetVanta 7000 Series and IP Phones provide you the flexibility to grow your network as you grow your business. License free model supports up to 100 users at a single site, or you can multi-site SIP Network multiple NetVanta 7000 Series supporting up to 100 users per site. Simple add phones as you add users.
- **Self-Maintainable:** With an intuitive graphical user interface, you can manage your network reducing regular service expenditures.
- **Productivity:** Utilize features such as integrating messaging, call coverage, and auto attendants to drive your business and employee productivity.
- **Reduction in Residual Costs:** NetVanta 7000 Series can lower the total cost of ownership because of ease of installation and ongoing management, while providing capabilities for repurposing customer-facing staff with important value-based tasks that cannot be automated.
- **Connectivity:** Configure the system as your network demands to support multiple WAN technologies.
- **Ease of Deployment:** Unlike other VoIP solutions, it only takes a few minutes to install and setup a user reducing the impact on your business.
- **Value-based and Affordable:** ADTRAN's VoIP solutions are designed with the same value and performance that drives our award-winning, high-performance NetVanta solutions.

#### What is the NetVanta 7000 Series?

ADTRAN's NetVanta 7000 series is a true VoIP communications platform. It is a simple, affordable, and reliable solution designed for SME's to deliver maximum functionality. Fully licensed for up to 100 users, this all-in-one solution provides a "License Free" model with 5-year warranty while combining multiple network functions in this single platform:

- IP Router
- 24 Port PoE switch
- IP PBX
- Firewall and VPN
- Automatic Call Distribution
- Auto Attendants
- Voicemail



You get all this in a single piece of hardware that is easy to install, manage, and support. If your business scales beyond the 24 ports, you can simply add additional PoE switches to support up to 100 users with no additional licenses. This is a definite advantage when compared to some of ADTRAN's competitor's model of licensing additional users beyond the first few.

#### The NetVanta 7000 Series Delivers Lower Total Cost of Ownership

The NetVanta 7000 Series is the path to lowering the total cost of ownership SME's consider when purchasing voice and data networking solutions. ADTRAN's product line can make this decision easier by providing:

- *Innovative design reducing initial hardware purchase to a single solution*
- *No additional licensing – one time purchase supports up to 100 users*
- *Simply purchasing phones when adding users*

#### Hardware Features and Functionality

**All licenses included** – This means that as your business grows, your phone system can keep up without you having to incur new charges every time you want to add a user or turn on voicemail. The NetVanta 7100 includes licenses for up to 100 users.

**Integrated 24-port PoE Ethernet Switch** - This scalable, full-featured, fully-managed business-class 24-port Ethernet switch comes standard - integrated into your NetVanta 7100. And with built-in VLANs, Quality of Service and 802.3af Power over Ethernet (PoE) capabilities, you'll be able to plug in and power up to 24 IP Phones straight from the phone system. Have more than 24 phones? ADTRAN has you covered with a full line of managed Ethernet switches that can be stacked with your NetVanta 7100 to provide the all of the infrastructure you'll need.

**Integrated Router** – The NetVanta 7100 integral router is built on ADTRAN's industry-leading series of NetVanta Routers and offers the same secure, business-class solution for high-speed data and voice networks. NetVanta Access Routers are designed for cost-effective Internet access, MPLS, Frame Relay, point-to-point, ADSL, and Virtual Private Networking (VPN).

**Integrated Firewall** – Each NetVanta 7100 comes packed with an integrated fully-featured stateful inspection firewall to keep your voice and data network secure. This includes Access Control Lists and NAT-compatible Session Initiation Protocol (SIP) Application Layer Gateway (ALG) for your Voice over IP (VoIP). It also can help identify and protect against common Denial of Service (DoS) attacks like TCP syn flooding, IP spoofing, ICMP redirect, ping of death, and IP reassembly problems.

**VoIP Phones** – 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. 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.



**Connect your voice** – The NetVanta 7100 supports SIP Trunking, PRI, and traditional PSTN lines. The unit comes with two built in analog FXS ports for credit card readers, fax machines, etc., two built in FXO ports for PSTN trunks and survivability, and has two module slots that can accept a variety of modules including PRI, ADSL, and more. Up to 10 analog lines can be plugged into a single chassis. This allows you to consolidate trunks, lowering recurring expenses and toll charges.

**NetVanta Unified Communications Ready** – Looking to grow your business or increase functionality in your phone system from where you are today? Get more from your investment with ADTRAN NetVanta Unified Communications. The NetVanta 7100 is able to fully integrate with ADTRAN's line of Unified Communications products which makes buying the 7100 the smart choice – now and in the future. Reduce your Total Cost of Ownership and increase your ROI by expanding the functionality of your system when you need to, saving you from having to forklift your equipment just to add a new site or grow your business. With the NetVanta 7100 and NetVanta UC, your phone system grows with you.



## Productivity Features and Functionality

**Voicemail** – If your callers can't reach you, you could be missing an important message. With integrated voicemail on the NetVanta 7100 you can provide your callers with a way to reach you, even when you can't take their call. Each user can personalize their greeting and with system storage of up to 3000 messages there's plenty of time for being out of the office. Users will get a visual and/or audio notification of new voicemail on their phone and with Integrated Messaging enabled we'll even send you a copy of the voicemail to your email.

**Find-Me/Follow-Me** – Never miss a call. If you're not at your desk, with ADTRAN's Find-Me/Follow-Me functionality you can let your callers reach you by having their calls be routed to another extension; over to the warehouse; to your mobile phone, remote office, or any other telephone number. Choose to have the system try all of them at once or one after the other until you pick up. Best of all, you can choose who you want to be able to find you; and if you don't want to answer, the system pulls the call back into your NetVanta 7100 voicemail – leaving one central spot to check voicemail when you're on the go.

**Integrated messaging** - With Integrated Messaging, make sure you receive that important voicemail message. We can send you a copy of the voicemail and put it straight into your email inbox. That way you can check your voicemail, anywhere you have access to your email. That includes on your Smartphone.

**Auto-Attendant** – Make your business accessible 24 hours a day, even when none is there. The NetVanta 7100 offers 50 levels of auto-attendant that can greet callers with the recorded messages of your choice, then give them options to connect to departments, extensions, agents, or operators. Or give your callers the option to leave voicemail or hear a recorded message for information such as driving directions and store hours. The choice is yours. And with our easy to use configuration tool you can build your own personalized auto-attendant system in no time flat.

**Automatic Call Distribution (Call Queuing)** – What happens if your customers are calling but there aren't enough people to answer them all at once? Queue them! With Call Queuing built into the NetVanta 7100 you have the ability to handle the overflow while your callers never again are forced to leave a voicemail or hang-up and try again when your personnel are busy helping other customers. The system has the ability to setup multiple queues, record custom greetings, allows agents to log in and out, and as an administrator, you get an integrated Supervisory panel for statistics such as call volume and hold times.

**Music on Hold (MoH)** – Need to put someone on hold? Why make your customer wait in silence? With Music on Hold your callers will hear the music of your choice, or even custom advertisements targeted to your captive audience, whenever they are put on hold. You can use your existing external MoH system utilizing the MoH jack right on the back of the chassis, or upload your own files internally to make a custom playlist.

**Paging** - With the NetVanta 7100, paging support is integrated. Whether it's by plugging your existing paging system right into the paging jack on the chassis, or implementing paging through the phones, you'll be able to easily integrate paging into your existing environment. This includes multiple paging zones as well as paging across multiple sites.

**System Mode Scheduler** – Your NetVanta 7100 system is smart enough to know when you've gone home for the night. With System Mode Scheduler, you can make your IP PBX behave differently on the weekends than it does during the week, over lunch or when you go home at night. You can have the system automatically change your Auto-Attendant greetings, default behavior, and calling rules to reflect what mode your business is in. On the integrated Ethernet switch you can even tell it to turn off your wi-fi for security or power off phones at night; turning them back on in the morning. How's that for green?

**Dial by Name Directory** – When your callers need to be transferred to the right person, how will your system respond? Dial by Name Directories allow you to setup a convenient transferring mechanism without having to introduce a third-party into the call. Callers who use the Dial by Name directory simply enter the first couple of letters of the person they are trying to reach using their telephone keypad, the NetVanta 7100 then matches those letters against the system directory and transfers the call.



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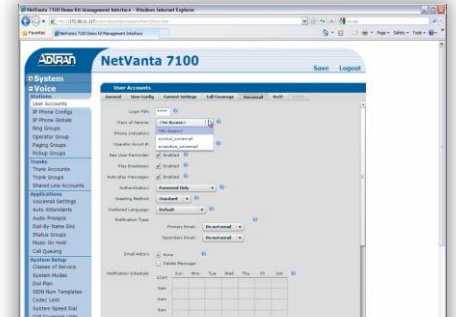
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## Management Features and Functionality

**Graphical User Interface (GUI)** – To make management as easy as possible, ADTRAN has designed an easy-to-use, intuitive Graphical User Interface that makes maintaining your system easy. The GUI is browser based which means you can log in from any computer that has a network connection. You can even log in remotely - saving you time and travel when your system needs you the most.



**Key System Emulation** – PBX or Key System? Why not both? Whether you have an existing PBX or Key System the NetVanta 7100 makes it easy to migrate to VoIP. The 7100 allows you to setup the IP PBX with Key System Emulation, meaning you still get access to shared lines and can see, and control, your lines directly. So you can get the best of both - all the features of the Key System you're used to, but the added benefits of a full IP PBX.

**Voice Quality Monitoring (VQM)** - VQM moves beyond QoS and can save network administrators time in the troubleshooting process. In essence, VQM is a powerful set of tools that allows the network administrator to examine their VoIP infrastructure, down to the actual voice stream, to help identify potential problem areas as well as monitor trends within the network. It features an easy-to-use, graphically intuitive interface that lets you review active and past calls, selectively search to find the information you're looking for, and monitor the overall health of your VoIP network.



**Quality of Service (QoS)** - QoS is also supported for delay-sensitive traffic like VoIP or video. To prioritize mission-critical traffic and control network congestion, the NetVanta 3430 uses various metrics and markings to establish the priority of IP packets routed over through the network and over the WAN. Integrated QoS reduces the need for network readiness assessments.