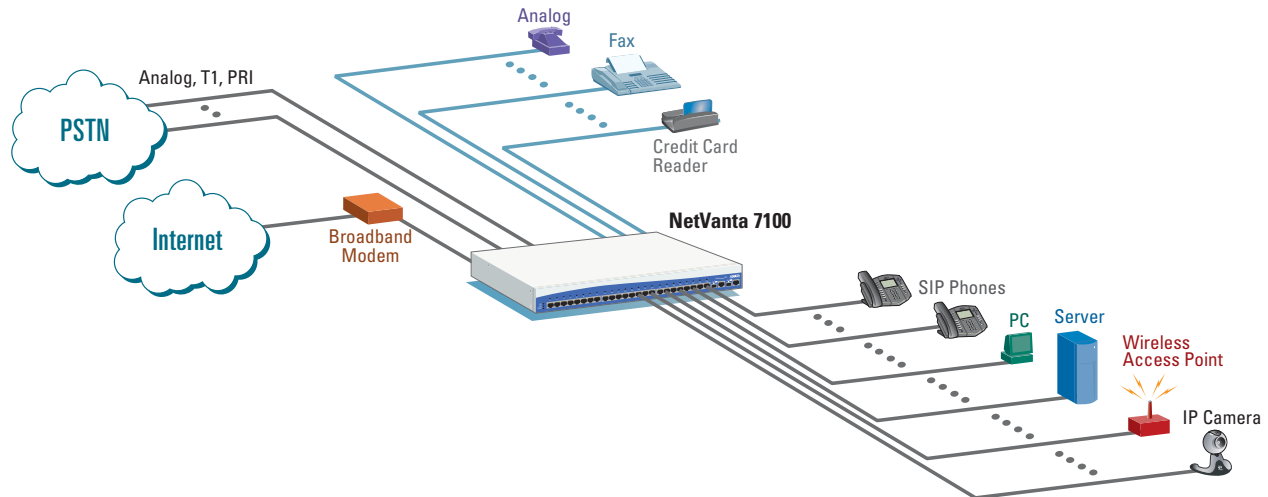


# Complete VoIP Solution

## Converged IP "Office-in-a-Box"



Whether a business is opening a new location or has outgrown the current PBX or Key System, the ADTRAN NetVanta® 7100 provides a cost-effective and simple solution for all the voice and data networking needs. The NetVanta 7100 can be unpacked, plugged in, and quickly configured to deliver PBX, router, switch, firewall, VPN and CSU/DSU functions in a single system.

The NetVanta 7100 represents the industry's newest generation of solutions by integrating an unparalleled number of networking functions into a single system.

With the ADTRAN NetVanta 7100, a compact system integrates an IP PBX with voice mail, 24 port PoE Switch and IP Router with built-in Quality of Service (QoS), Firewall, VPN and CSU/DSU, simplifying network installation, management, and significantly lowering costs compared to multi-box approaches.

In many applications, the NetVanta 7100 can eliminate the need for expensive and time-consuming network readiness assessments. Also, with the NetVanta 7100, users will avoid the traditional interoperability and configuration issues, excessive cabling, training, and other complications commonly experienced when attempting to "integrate" multiple pieces of equipment.

Network trunking can be provisioned using analog (FXO), T1, or PRI. High-speed broadband Internet access is supported using the integral Ethernet WAN port or optional ADSL NIM.

The NetVanta 7100 offers SIP and analog station support so users can implement pure IP or a hybrid network. Analog devices such as fax machines and modems connect directly to the NetVanta 7100. This eliminates the need for performance-limiting analog-to-IP converters that competing equipment requires, enabling these devices to achieve full rate performance with the PSTN.

Survivability and power fail-over can ensure a connection to the PSTN in the event of a primary network or power outage. E911 calls are supported by passing the appropriate calling party information to the service provider.

The NetVanta 7100 truly is an "Office in a Box" that delivers IP telephony along with a complete WAN and LAN voice-data network for small businesses. It represents the industry's newest generation of networking and a breakthrough in simplifying and delivering a converged IP solution.

## Solution Features

- Ideal for small businesses
- Lowers costs and improves productivity
- Simplifies convergence
- Complete communications solution
- IP PBX, PoE Switch, IP Router, Firewall, and VPN included
- Modular, flexible configuration options





# NetVanta 7100

## Converged IP "Office-in-a-Box"

### Product Specifications

#### IP PBX System Features

- Analog Trunks (Loop Start/Ground Start; FSK capture of Caller ID name/number; 2 integral, 10 max.)
- Analog Stations (Loop Start DTMF; 1500 feet over 26 AWG; 2 integral, 10 max.)
- Auto-Attendant (8 ports, single greeting)
- Call Detail Records (SMDR)
- Caller ID Name/Number Override (internal and external)
- Classes of Service
- Codec support includes G.711 and G.729
- Configurable Dial Plan
- Door Relay
- Door Phone
- E-mail notification of voice mail message
- Global Call Coverage Lists
- IP Stations (50 maximum; SIP hardphone or softphone)
- Least-Cost Routing
- Operator Groups
- Outgoing Number Substitution
- PRI Trunks
- Ring Groups (ring all, circular hunt group, UCD, executive)
- System Speed Dial
- T1 trunks
- Trunk Groups
- Variable length extension numbers (3-digit, 4-digit)
- Voice mail (12 hours, 8 ports)
- Virtual Extensions (20)
- Voice mail accounts (80)
- 16 DSP resources
- 64ms echo cancellation for VoIP calls

#### IP Station Features

- Call Drop
- Call Forward (All, Busy, No Answer)
- Call Forward to Outside Line (cell phone)
- Call Hold
- Caller ID Name/Number
- Call Logs
- Call Park
- Call Park Retrieve
- Call Transfer
- Call Waiting
- Conferencing (3-person)
- Do Not Disturb
- Headset jack
- Message Waiting Light
- Missed Call Indicator
- Multiple Call Appearances
- Music on Hold
- Mute
- Overhead Paging
- Personal Call Routing (Call Coverages)

- Redial
- Speakerphone
- Volume Control

#### Router Features

- RIP V1, RIP V2, OSPF, BGP, and Static routes
- PPP, PPPoE, Frame Relay WAN protocols
- DHCP Client/Server
- Class-based Weighted Fair Queuing, Priority Queuing, Weighted Fair Queuing
- Diffserv aware/mark
- MLPPP/MLFR

#### Firewall Features

- Stateful Packet Inspection
- NAT (1:1), NATP (Many:1)
- Denial of Service (DoS) Protection
- Access Control Lists
- SIP aware (B2BUA)

#### VPN Features

- 50 tunnels
- IPSec
- DES/3DES/AES encryption

#### Ethernet Switch Features

- 10/100Base-T (24)
- 10/100/1000Base-T (2)
- Two SFP slots
- Auto-Rate
- Auto-Duplex
- Auto-MDI/MDI-X
- 802.1d Spanning Tree
- 802.1p Class of Service aware/mark
- 802.1Q VLANs
- 802.3af Power over Ethernet (15.4 watts for each of the 24 ports)

#### Management Features

- Command Line Interface (CLI)
- HTTP, HTTPS (web browser)
- Telnet
- SSH

### Ordering Information

Equipment	Part #
<b>NetVanta 7100</b>	1200796L1
<b>Voice Modules (VIMs)</b>	
Analog 4-Port Station (FXS)	1200690L1
Analog 4-Port Trunk (FX0)	1200691L1
Analog 2-Port Trunk/2-Port Station	1200692L1
T1/PRI	1200695L1
<b>Network Modules (NIMs)</b>	
T1	1202862L1
Dual T1	1200872L1
ADSL	1200869L1
56/64 Kbps DDS	1200861L1
Serial	1200866L1

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

EN761C January 2006  
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