

# Introducing the VX Product Suite

## Introduction



NET's **Voice Exchange (VX) Series** is the industry's first fully-integrated multi-service voice switch with Any-to-Any gateway functionality, creating a next-generation solution for enterprise VoIP enablement.

- Enterprise VoIP and telephony integration for Unified Messaging and Unified Communications
- Integrated, multi-function voice switch
- Intelligent IP to IP Mediation
- Vendor Independent Remote Survivability
- Extensive call system interoperability
- True telecom traffic management
- Advanced call security
- Expandable platform with optional software modules
- Enables intelligent, flexible, lower cost VoIP and Mobility

## Overview

With NET's 20 years of experience in designing and building multi-service network exchange solutions, the VX Series is the clear choice for large corporations looking to obtain the benefits of VoIP through a versatile, integrated voice exchange solution that provides interoperability with existing PBX and IP PBX systems.

As a multi-function voice switch, the NET VX SERIES can be deployed in distributed networks to reduce and consolidate PBX infrastructure. The NET VX extends advanced call system features from centralized data centers to remote locations. With its remote survivability features, the NET VX provides continuous, local call service and intelligent trunk routing in the event of network connectivity failures.

## Features

The VX platform supports from 1 to 32 T1 or E1 ports, 16 FXS ports and 2 Ethernet ports, making it a compelling solution for enterprises, government entities and service providers looking

### Product Data Sheets

- **Series**

- [VX](#)
- [VX \(Japanese\)](#)
- [VX \(Government\)](#)

- [VX1200](#)

- [VX1200 Microsoft Unified Communications](#)

- [VX1200 \(Japanese\)](#)

- [VX400t](#)

- [VX900t](#)

- [VX1800](#)

- [VX1800 \(Japanese\)](#)

- [VX1800 Microsoft Unified Communications](#)

to deploy IP-based voice networks. VX Series combines the functionality of a media gateway, call control component, SS7/C7 signaling point, H.323/SIP inter-working device and media server in a single, compact chassis. VX Series supports

- **Applications**

- VXvue (VXbuilder and VXgate)

- VXgate

a wide range of voice and call routing features. All of these are backed by key components that ensure the platform and the calls moving across it are secure.




Conformance to the latest VoIP signaling and call control standards, such as SIP and H.323, guarantees interoperability within multivendor VoIP deployments. Moreover, VX900's support for standards-based signaling mechanisms and inter-working techniques enables the platform to be easily deployed into existing VoIP networks.

VX Series BESTflow™ frame packing technique, together with the BEST™ signaling protocol (BSP), affords clear advantages when deploying VoIP platforms. Combining up to 160 individual calls into a single IP packet, BESTflow reduces the required bandwidth and the latency typically associated with transporting voice over an IP backbone network.

## VX Product Family

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### Platforms

	<p><b>VX400</b></p> <p>The award-winning VX Series Voice Exchange™ platform couples powerful voice over IP (VoIP) capabilities with unique secure voice functionality and is ideal for use with government and military customers for IP based STU to STU calling.</p>
	<p><b>VX900t</b></p> <p>Today's secure mobile requirements look to the extension of enterprise-class secure voice, data and video to mobile, and tactical teams. This increasingly includes the ability to leverage IP-based networking technologies.</p>
	<p><b>VX900</b></p> <p>As a multi-function voice switch, the VX900 can be deployed in distributed networks to reduce and consolidate PBX infrastructure. The VX900 extends advanced call system features from centralized data centers to remote locations. With its remote survivability features, the NET VX provides continuous, local call service and intelligent trunk routing in the event of network connectivity failures.</p>



### **VX1200**

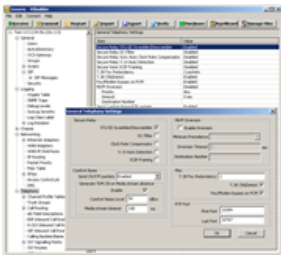
The VX1200 provides a lower cost solution for enterprise VoIP, with support for enterprise mobility and SIP-Wifi devices, the VX1200 can also enable companies to dramatically reduce cellular service costs.



### **VX1800**

The VX1800 Voice Exchange for Unified Communications is designed to provide the enterprise-class integration, interoperability, and security with scalability required for successful adoption of unified communications in large enterprises.

## **Applications**



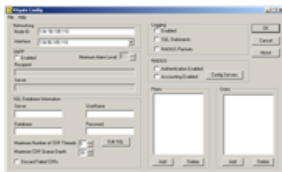
### **VXbuilder**

VXbuilder presents an intuitive, structured, configuration and provisioning interface to the network installer and provides a single configuration utility for all aspects of system operation. VXbuilder supports remote provisioning through a forms-based, point-and-click GUI that can be used to configure all node parameters and tables, including IP Interfaces, PSTN, calling routes and signaling manipulation.



## VXwatch

VXwatch is a management tool for real-time monitoring of VX alarms. VXwatch displays status and alarms for all channels and spans. Call details can also be viewed in real time. Multiple nodes can be monitored in the same window or in separate windows depending on user preference. Port and card status is reported graphically and channels are color coded to indicate their state. In addition, information on call parameters may be obtained by clicking on the active call and information on circuit parameters may be obtained by clicking on the interface.



## VXgate

VXgate is an integral part of the VX's resilient, distributed, and bandwidth-efficient architecture. VXgate provides a gateway between the VX network and external billing systems or clearing houses, and collects call detail records (CDR) from those systems.