

Fax Server | The total solution for business fax traffic



How a Fax Server functions

Vidicode Fax Servers allow for supervision of fax transmissions in the smallest detail. The Vidicode Fax Server has two functions in addition to standard sending and receiving modes. The first important function can best be compared with that of an internal telephone system: the Vidicode Fax Server distributes incoming and outgoing faxes. It allows every employee in the company to send and receive faxes from his or her workplace as if making a telephone call.

The second important function of the Fax Server is its automated archiving capability. The Vidicode Fax Server serves as a database of all faxes sent or received. This provides the organization unparalleled control over its external fax communications.

Unique characteristics of the Fax Servers PRI

Vidicode Fax Servers for digital telephone lines possess a structure unique from any comparable system. All offer an "endpoint mode" and a "pass through mode". The pass through mode indicates that the Fax Servers can share the line with a telephone system without affecting the telephone system. This results in substantial cost and quality advantage.

The cost advantage is that no integration or special configuration with your PBX is required. No extra cards in your PBX or extra telephone lines are needed. The Vidicode Fax Server is connected between the telephone network and your current telephone infrastructure. Your current equipment cannot sense the difference. You can create fax numbers by merely typing a number on the keyboard of the Vidicode Fax Server. Capacity is dynamically shared between the Fax Server and the telephone system.

The quality advantage is that there is no loss of information. Because the Vidicode Fax Server is connected directly to the digital telephone network, no data is lost. Caller ID is available in digital format and the line quality is the best available for fax transmission.

- The corporate faxing solution
- Capacity up to 16 channels
- For analog or T1 lines
- Complete solution; no separate infrastructure needed
- Internal hard disk stores up to 2 million pages
- Unified messaging for fax communications

The corporate fax solution

Communicating by fax is essential to businesses. Fax transmissions have major advantages over email, among others. Faxes are widely accepted, very reliable, and secure. Most important business communications, such as purchase orders and contracts, are often sent by fax.

The function of a Fax Server

The traditional fax machine is no longer practical for an organization of more than a few employees. The document flow to and from a traditional fax machine can not easily be controlled, even though it may well concern the most important communications of the company. At the same time, sending and receiving faxes requires a lot of walking to and from a central fax machine or mail room, making faxing less time-efficient. Vidicode Fax Servers provide a complete solution for fax communications, adapted to the way people in business are used to communicating. Vidicode Fax Servers connect your company PCs, networks and email with the outside world in a secure and reliable manner.

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<http://www.TWAcomm.com>
Toll Free: (877) 389-0000



Special advantages of the Vidicode Fax Servers

Some special concepts used in the Vidicode Fax Servers may seem of technical nature. They deserve to be mentioned nonetheless, because they may offer great value to its users:

Proof of the origin of received faxes

The identification in a fax header provides no proof of origin, because it can be changed by anyone using the sending machine. However, Caller Identification does provide proof of the message's origin. The Caller ID function is always available with digital telephone lines. On analog lines it is available when enabled by the telephone company. Caller ID is of high value to the user of the Vidicode Fax Server and, when available, will always be shown in the Fax Server database.

Optimized control of fax routing

You can control the routing of incoming faxes based on the fax number by just maintaining a list of assigned "fax numbers". Creating fax numbers for your organization has never been easier! Once assigned, the Fax Server database will show the email addresses to which every incoming fax was delivered and of email addresses of the PC's from which every outgoing fax originated. Since distribution is automated the supervisor can at a glance see who has received or sent which message. Systems management can in turn control the authorization of supervisors to view faxes of employees or colleagues.

Internet technology

A Vidicode Fax Server is not a PC, but rather an embedded system that serves purely as a Fax Server. On a network it behaves as a generic FTP-server. It communicates with the email server with the industry-standard SMTP protocol. Consequently, there are no special network requirements. Installation is easy and straightforward.

Recording the communication of traditional fax machines (optional)

A unique feature of Vidicode Fax Servers is the capacity to record transmissions of traditional fax machines. These recorded fax transmissions can be reproduced on-screen and printed on a printer just like any other archived fax. In real life, employees do prefer to keep a traditional fax machine nearby to be able to send handwritten letters or forms. Because these transmissions are automatically recorded, the archive of all faxed communication remains complete. *

A CD recorder for back-ups

(optional, not available for Fax Server I)

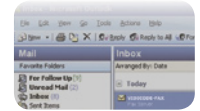
Due to the high value of a fax database, a back-up medium may be desirable. Therefore, an optional internal CD recorder can be installed. With this option, faxes are automatically archived on a CD with a capacity of about 17,500 pages. The Vidicode Fax Server will send an email alert to the systems manager when the storage capacity is about to be reached and the CD should be replaced. The Fax Server Access System offers an alternative way to create back-ups on a PC or network server.

Unlimited software license and upgrade potential

Purchase of a Vidicode Fax Server entitles the buyer to an unlimited license to use the software for Microsoft Windows, including transmission software with access to the MS Outlook address book, cover page editor and Fax Server Access System. The license is granted per channel or telephone line and there are no restrictions on the number of users. A Fax Server setup utility for the systems manager is also included. In addition, information is provided to integrate the Vidicode Fax Server with other applications with which faxes may be sent. E.g., a script for Microsoft Word to send faxes using a mail merge tool is provided.

Three ways to access your fax messages

The Vidicode Fax Server gives you access and control over your fax communications better than any other system. There are several ways in which you can access your faxes, all of which are highly automated.



Email connection

Faxes received on a Vidicode Fax Server are automatically distributed by email. The Vidicode Fax Server connects to the mail server and delivers incoming faxes to their recipient. Every person or department in your organization can be assigned a fax number. To the Fax Server it is merely a table. Therefore, e.g. using 300 fax numbers on 8 lines or channels is a typical solution.



Network access to the Fax Server

The complete set of faxes on your Vidicode Fax Server, whether sent or received, remains available for many years. The hard disk of the Vidicode Fax Server operates as an archive and can store up to 2 million pages. As a result, all faxes of many years remain available. The Fax Server software shows the content of the hard disk. Thus, a simple query on your PC will find any fax for you within seconds. Access to fax files on the Fax Server is restricted by password and the Vidicode Fax Server will only show those faxes to an employee who is authorized to access the file.

Network access can be used as an alternative to receiving faxes by email. An icon in your taskbar will display when new faxes have arrived for which you are authorized.



Up to 16 fax lines on one printer

As is the case with regular fax machines, you may want to print incoming faxes. The Vidicode Fax Server can send all incoming faxes directly to a network printer. For high-volume printing a network printer may be the best way to obtain a high quality output at the lowest supply cost.

Blue Line



I



Octo | Quarto



PRI

Several models and capacities

There are several models of Vidicode Fax Servers:

- Fax Server I for one channel on one analog (POTS) telephone line
- Fax Servers Quarto and Octo for 4 or 8 channels on analog (POTS) telephone lines
- Fax Server PRI for 16 channels on T1, either stand-alone or sharing the line with the PBX

Vidicode Fax Server I is the perfect solution for small organizations that have a single fax line but have outgrown the traditional fax machine and seek a network solution.



Vidicode Fax Server I

Vidicode Fax Servers Quarto, Octo and PRI are scalable solutions for larger organizations with several fax lines and that wish to centralize and structure their fax communications.



Vidicode Fax Server PRI built into a 19" rack in combination with Vidicode Call Recorder PRI.

Product range overview

Product	Description	Available options
Fax Server I analog	- Fax Server for 1 analog telephone line - Capacity 1 million pages	<ul style="list-style-type: none"> • Dual capacity hard disk - 2 million pages • Fax Recording
Fax Server Quarto	- Fax Server for 4 analog telephone lines - Capacity 1 million pages	<ul style="list-style-type: none"> • Dual capacity hard disk - 2 million pages • CD Recorder • Fax Recording
Fax Server Octo	- Fax Server for 8 analog telephone lines - Capacity 1 million pages	<ul style="list-style-type: none"> • Dual capacity hard disk - 2 million pages • CD Recorder • Fax Recording
Fax Server PRI	- Fax Server PRI for T1 or E1 line 16 channels - Capacity 1 million pages	<ul style="list-style-type: none"> • Dual capacity hard disk - 2 million pages • CD Recorder • Fax Recording

Technical specifications

Power supply

Fax Server I	Adapter with input 110 Volt 60 Hz AC, Output 7,5 Volt AC
Fax Server Quarto, Octo, PRI	Input 100-240 Volt 47 – 63 Hz AC

Working environment

Ambient temperature	33° to 104°F
Humidity	10% to 90% (Non condensing)

Connections (when applicable)

Type connector

RS232	Mini-DIN 9 pin female
Ethernet 10Base-T (Fax Server I) 100Base-T (Fax Server Quarto, Octo and PRI)	RJ45 UTP
Fax Server I	RJ11 – analog line (POTS) in
Fax Server I	RJ11 – analog line (POTS) out
Fax Server Quarto	4 x RJ45 – analog line (POTS) in
Fax Server Quarto	4 x RJ45 – analog line (POTS) out
Fax Server Octo	8 x RJ45 – analog line (POTS) in
Fax Server Octo	8 x RJ45 – analog line (POTS) out
Fax Server PRI	RJ45 - E1/T1 in
Fax Server PRI	RJ45 - E1/T1 out
Fax Server I Mains Supply	special
Fax Server Quarto, Octo, PRI	AC

Modulation method

bits/sec

V.17	14400/12000/9600/7200
V.29	9600/7200/4800
V.27 ter	4800/2400

Compression method

Modified Huffman

Dimensions (W/D/H) and Weight

Fax Server I	9" / 7" / 3" – 2.2 Lbs
Fax Server Quarto, Octo, PRI	19" / 12.5" / 3.5" – 11.66 Lbs

Technical standards

FCC Emission	Part 15 Subpart B § 15.107 & § 15.109
EU Telecommunication	TBR21 (Models Quarto and Octo), TBR4 (PRI models)
EU Safety	EN60950:2000
EU Emission	EN55022:1998+A1+A2
EU Immunity	EN55024:1998+A1+A2

Operating Systems

Send Fax	Microsoft Windows 98SE / 2000 / XP / Vista
Fax Server Access System	Microsoft Windows 98SE / 2000 / XP / Vista
Fax Server Setup software	Microsoft Windows 98SE / 2000 / XP / Vista

Included

Line Supply (Fax Server I only) • Complete set of cables for normal installation • Manual • Software on CD • Software license for unlimited number of users

Included with Fax Server PRI

Set of 2 E1 to T1 adapters in 19" frame

* Recognition of fax communications is restricted to standard G3 and can not be guaranteed under all circumstances.



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