Wave IP 500™

ONE SYSTEM, ONE LICENSE, MORE APPS

Wave goodbye to per-user license fees and say hello to the Vertical Wave IP 500™ Communications Platform, the industry's only true hybrid solution with both full IP and digital functionality to streamline workflows for how we work today. All on one server. All for no additional cost. So you can easily migrate from digital to the latest IP and cloud-based services as you need them.

Unlike other solutions that offer support for IP applications but which require additional hardware and software – at additional costs – the Wave IP 500 comes complete with embedded telephony and fully functioning UC capabilities including collaboration, presence management and enterprise mobility applications that are easy to use and deploy. All native Wave IP 500 UC applications are available at no extra cost and ready to use when you are with a single base user license included with every Wave IP system.

Vertical's Wave ViewPoint Mobile application – the only mobility solution that comes standard – delivers the Wave IP 500's advanced UC features anywhere you need to be on both Android and iOS-based devices.

The Most Built-In Apps on Any Platform

Standard core applications and features in the Vertical Wave IP 500 include:

- ViewPoint UC Desktop Call Management Interface
- ViewPoint Mobile Application with SIP Softphone for Smartphones & Tablets
- Real-time Presence & Status
- Secure Instant Messaging
- Meet Me Conference Rooms
- In- & Outbound IVR Applications
- Call Recording & Logging
- Call Reporting
- Visual Voice Mail
- Integrated Softphone
- VPN & NAT Traversal Support for Teleworkers
- Microsoft Exchange Integration
- Wave Client Application Programming Interface
- Automated Cloud-based Vertical Updates

Product Specifications

Vertical Wave IP appliances feature the latest solid-state drive (SSD) technology and scale easily to provide exceptional expansion capabilities for single or multisite organizations, whether you have ten or thousands of users. Your investment is protected as your company grows with robust voice gateway capabilities

that let you migrate to next-generation IP communications services on your own timeline. The Wave IP 500 supports the latest in SIP trunking services for maximum flexibility and cost savings. It also supports traditional voice trunk interfaces, including analog trunks, T1 and PRI-ISDN without any external devices to manage.

Leaner is Greener

Wave IP 500 rack-mountable "all in one" servers and expansion units stack up well against the competition when it comes to running a leaner, greener organization. Fewer servers mean less overall energy consumption, which translates into even greater operational cost savings.

Front Panel	
Analog Stations/Trunks	2 Analog Stations + 2 Loop Start Trunks (RJ11)
USB Ports	2 Active
Expansion Slots	3 Module Slots
Ethernet LAN/WAN	1 Port (10/100/1000) (Additional mirrored port for service)
eSATA Port	√
Audio In	1 (3.5mm)
PA Out	1 (3.5mm)
Status LCD Panel	√
Mechanical	
19" Rack Mount	√
Wall Mount Option	√
Dimensions	17.5" w x 2.5" h x 13.25" d
Weight (Base system)	8.16 kg/18 lbs
Power	
Input Voltage, Frequency	Input Voltage: 100 - 240 VAC, 50/60 Hz
Input Current	Maximum 5A
Consumption/Dissipation	Maximum 950 BTU/hour
Environmental	
Operating Temperature	32° to 104° F (0° to 40° C)
Operating Humidity	80% Maximum, Non-condensing
Storage Temperature	-4° to 140° F (-20° to 60° C)

System Resources	
Embedded CPU	Dual ARM 11, 650Mhz
Embedded Operating System	Linux 2.6
Vertical Application Module (VAM Server Module)	2.0GHZ Celeron/1GB RAM (ITX)
VAM OS	MSFT Windows Telephony Server Edition
Storage	Single 160 GB Solid-State Drive (SSD) + Single 320 GB SATA Hard Drive
Base Media Resources*	60
Add-on Media Resource Module*	MRM A 90
Fault Monitor	√
Temperature Sensors	√
Codecs	G.711, G.729, T.38
Supported VoIP Codecs (32 voice channels total)	
T1 w/DNI (Can support PRI or T1)	1 Module/24 Channels
E1 w/DNI	1 Module/30 Voice Channels
BRI	3 Modules/8 Voice Channels Each
Analog Loop Start	3 Modules/8 Voice Trunks Each (Plus 2 built-in ports)
Analog DID Trunks	3 Modules/8 Voice Trunks Each
SIP (VoIP)	25 Trunks/Active External Calls
Users (Maximum of 50 phone users of all types on a single system)	
SIP Handsets	50
Digital Phones**	48
Analog Handsets	26
Mobile Users	50
Voice Mail	
Number of Mailboxes	1,000
Expansion	
Expansion Chassis (EXUs)	None

Port estimates are based on standard IVR services. Port availability may vary based on services being used.
***Digital phones require an external power supply.*

Add-on Applications

Also included on every Wave IP 500 system, these optional applications* are ready to run when you're ready to use them with a simple license that can be dynamically launched at any time. With each system, you receive a free, 30-day trial license that lets you try each application before you buy.

- Wave Contact Center (Up to 10 agents)
- Wave Contact Center Reporter
- Wave Global Manager Agent
- Wave Campaign Tracker
- Wave Call Classifier
- Wave Fax Manager
- Wave Business Continuity Service
- Wave Live Image (Disaster recovery)
- WaveNet (Site-to-site networking)

* Add-ons require licenses

Supported Endpoints

The Wave IP 500 supports many combinations of wired and wireless phones, including SIP digital, and analog phones.

To help leverage your investment and migration, many legacy Comdial and Vodavi branded phones are also supported.

With the Wave IP 500, integrating dial plans and user data for a network of sites takes just minutes.

Digital Telephones	
Edge 700 Family	VW-E700-8 8 Button Display VW-E700-24 24 Button Display
Edge 100 Family	VW-E100-12 12 Button Display VW-E100-24 24 Button Display
Comdial Family	8012S SCS 12 Button Display 8024S SCS 24 Button Display 8312SJ SCS 12 Button Display 8324SJ SCS 24 Button Display
Vodavi Family	3011-71 8 Button Enhanced 3012-71 8 Button Executive 3015-71 30 Button Executive 3017-71 30 Button FDX Executive
3rd Party	Spectralink® (Comdial digital integration)
Digital Cordless	Vertical DECT
IP Telephones	
Edge 9800 Series IP Phones	VIP-9820-00 10 Button IP Phone VIP-9830-00 16 Button IP Phone VIP-9840C-00 24 Button Color IP Phone VIP-9871-00 VIP 9800 Touch Screen IP Phone
3rd-Party SIP Phones*	Polycom™ VVX Series and SoundStation IP 5000/6000/7000 Model Conference Phones Spectralink 7000/8000 Series and Pivot Wireless VoIP Phones
Softphone	Vertical ViewPoint & ViewPoint Mobile Integrated Softphones
Mobile Platforms	iOS Devices Running Version 7.0 and Up Android Devices Running Version 4.0 and Up
Analog Telephones	
Standard Analog**	Yes

* Works with 3rd-party IP license. Vertical does not guarantee the operation of all 3rd-party phones. Vertical supports SIP standards of operation.

**Message waiting for analog stations is FSK. 90V lamps not currently supported.

For more information on solutions from Vertical Communications®, call 1-877-VERTICAL, or visit **www.vertical.com.**

Corporate Headquarters
3900 Freedom Circle
Suite 110
Santa Clara, CA 95054
Phone: (408) 404-1600
FAX: (408) 969-9601

Sales & Service
1000 Holcomb Woods Parkway
Bldg. 300, Suite 300
Roswell, GA 30076
Phone: (770) 446-3100

RMA & Technical Support
4717 East Hilton Avenue
Suite 400
Phoenix, AZ 85034
Phone: (480) 374-8900
FAX: (480) 374-8852

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