

Vodia IOP



Vodia IOP eliminates the need to operate PC-based servers for telephony services on customer premises. The device has all it needs to run a full-featured PBX service in the local network. This reduces the installation and maintenance cost and saves power. Because it is a fanless design, it is easy to place it next to the router or hide it under an office table. Vodia IOP can be enabled to use the complete Vodia PBX feature set, including call center functions and CRM integrations. Based on the popular Raspberry Pi design, the device can handle up to 16 parallel calls which typically serves up to 50 extensions. The SD card installed in the device can store up to 10,000 hours of call recording. The device automatically generates a backup if there is a USB memory stick connected to the USB port.

By providing access to the Linux operating system, installers can use the full feature set of the operating system if needed, including setting up VLAN, VPN or installing additional software that is needed in premises.

The web interface can be used for local and remote management as well as front end for users. There is no need to install additional software for remote access.

Interoperability

Vodia IOP works with a large range of VoIP products. Popular VoIP phones are available from Cisco®, Polycom®, Yealink®, Gigaset®, Snom®, Alcatel®, Grandstream®, Avaya® and other handset manufacturers, providing an unprecedented choice of devices

for customers. DECT and analog devices can be connected to Vodia IO as separate standalone devices or through gateways.

Vodia IOP can also be used with SIP-based paging and building automation devices. The PBX supports a large range of paging functions suitable for shops, clinics and offices.

Plug and Play

Vodia IOP automatically detects the region and set up basic settings like language, time zone and country codes. When VoIP phones are plugged into the LAN, Vodia IOP detects the devices and offers automatic provisioning in the web interface, dramatically simplifying the setup. Buttons can be assigned through the administrators web frontend or directly on the phone (depending on the phone type). SIP trunks can be set up using a set of predefined provider settings, so that only the username and the password has to be entered. For carrier rollout, SIP trunks can be set up to be shipped with the license key for the device.

Technical Data

Device Specifications

- Vodia PBX with capability for up to 50 users and 16 concurrent calls*
- Free 4 standard concurrent call license included
- Web-based management interface can be enabled for remote management
- LAN-based VoIP phone zero-touch provisioning
- Capability for call recording
- Cell Phone Integration
- Cell phone twinning through PSTN
- Virtual private assistant including DISA
- Automatic provisioning of popular cell phone VoIP apps
- Cell phone callback in voicemail
- SMS notifications

SIP Trunks

- Large number of predefined SIP trunks
- Support for UDP, TCP and TLS-based SIP trunks
- Support for registration and IP address-based trunks
- Support for automatic provisioning of SIP trunk along with PBX license

Security

- Voice encryption with SIP/TLS, SRTP/SDES or ZRTP
- HTTPS web server, client and provisioning
- Support for ACME (letsencrypt.org) X.509 certificate management
- TLS 1.0, 1.1 and 1.2 support
- Password policy enforcement
- Google login authentication
- Encrypted storage for passwords and sensitive data
- Automatic white- and blacklisting with anti-hacking mechanism (DoS Defense)
- Manual whitelisting of administrative and general addresses and ranges
- Secure FTP and TFTP server for legacy device LAN provisioning
- Anti-port scanner mechanism

Network

- Far-end and near-end NAT traversal with session border controller
- IPv4 and IPv6 support for SIP, HTTP and other protocols
- DNS A, AAAA, SRV, NAPTR and ENUM support
- Multiple ports for SIP, HTTP, TFTP, FTP, LDAP and NTP
- QoS support
- Automatic public IP address determination
- Traffic monitoring and reporting
- SNMP server, newrelic client
- SMTP (email) client

Hardware Specifications

- Dimensions: 3.44" × 2.93" × 1.28" (87.4 mm × 74.3 mm × 32.5 mm)
- Weight: 2.08 oz (59 g)
- Wall mount: 4 screws
- Ambient temperature: 32 °F – 104 °F (0 °C – 40 °C)
- Memory capacity: 64 GB
- Certifications: CE, FCC
- Processor: H2 quad core Cortex-A7 with 512 MB RAM
- Power supply: Standard USB
- Connectors: 1 × 10/100 MBit/s Ethernet, USB-A, Power (USB Micro-B)

*Availability of some features depends to the Vodia license type