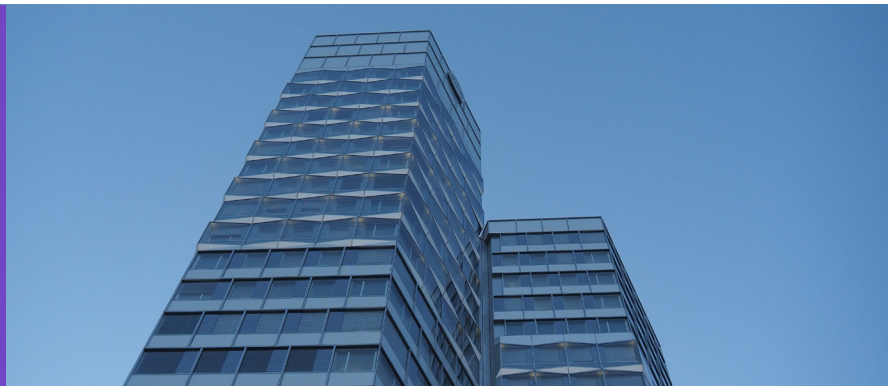
DATASHEET

ONEVoIP30

Voice Services Gateway



Reliable Voice Solution

OneOS6

- One E1/T1
- NETCONF support
- Easy installation and support with its web user interface and industry-standard CLI

The ONEVOIP30 offers a complete and proven voice over packet solution. With various signaling protocols and flexible voice routing, the ONEVOIP is a secure choice in evolving networks to connect your legacy telephony infrastructure to IP networks. By allowing voice and fax into your existing data network, the ONEVOIP enables a complete voice service while protecting the investments made in existing telephony equipment. The ONEVOIP achieves this by acting as a pure gateway between the legacy digital telephony system and the VoIP network. ONEVOIP is compatible with Skype for Business and BroadSoft's SIP infrastructure.

The ONEVOIP30 is available to connect to an ISDN PRI PBX with various protocols.

Its flexible Operating System (OneOS) makes the connection compatible with the next generation network IMS according to the standards driving the market.

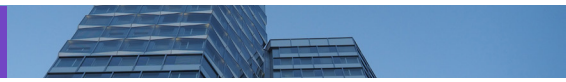
Simplified Management

The unit is managed as a single logical device with the industry standard CLI or the unified Web GUI. The provisioning can be fully automated with CWMP TR-069 protocol.

Integration with Today's and Next Generation OSS

Industry-standard MIBs, a TR-069 client and Command Line Interface (CLI) enable a swift integration with incumbent management systems and a short learning curve for operational teams. In addition, the latest generation OneAccess software, OneOS6, delivers one of the most complete NETCONF implementations on the market, thus enabling a major gain in service agility and automation for service providers.

Technical Features



Ethernet Interfaces

- 2 x 10/100/1000 UTP with maximum throughput of 50 Mbps

ISDN Intefaces

- 1 PRI E1/T1 models; RJ-45 connector
- PRI VN4/6, ETSI, NI2, 5ESS, DMS100
- Configurable or auto-detect framing
- ISDN channel specialization
- Line Hunting, Local port switching
- ISDN header insertion / suppression

Analog Interfaces (option)

- Up to 18 FXS/1 FXO loop/ground start; RJ-11 connectors
- FXS Line Voltage Drop
- Direct call (automatic call after off-hook)
- Fully configurable ringing & tones
- FSK/DTMF caller-id presentation on POTS terminal interface
- FXO Loop-back & ground-start & far end disconnect supervision
- Line Hunting, Local port switching

Console Port

- RS232 – RJ-45 port

SIP

- SIP 2.0 over UDP/TCP/TLS and RTP/SRTP
- Geo-localization: NAPTR, DNS-A, DNS-SRV
- SIP Registration (basic, 3GPP method) for Trunking and Hosted solutions
- SIP Authentication
- DTMF in-band (RFC 2833) and out-band (SIP INFO)
- Support for SIP multi-trunks with different IP addresses, ports & settings
- SIP Session Timer according to RFC4028
- SIP redundancy, survivability & fail-over
- SIP monitoring via OPTIONS method
- Automatic call disconnection on no RTP flows
- Configurable automatic device reboot on SIP NOTIFY reception

Voice Routing

- Selection of voice processing
- Call routing, Pre and Post Routing
- Call backup
- Numbering plan management, Insertion & suppression of digits
- Call Admission and Control
- Gateway Intrusive mode
- Intrusive voice-port
- Dialer watch list
- Inline Test Calls
- Configurable Test Calls

VoIP Processing

- Voice compression: G.711 (a/µ law), G.729ab, G.722, AMR-WB*, CES configurable
- Codecs with static & dynamic payload
- Packet length
- Echo cancellation: G.165/168 compliant, non-linear processing
- Adaptive jitter, packet loss concealment
- Country specific tone generation and customization
- Silence suppression and comfort noise generation
- Fax pass-through, T.38 ECM & Modem over IP
- VAD/CNG

Voice Quality

- RTCP-XR report
- RTP extended statistics (loss, jitter, voice quality diagnostics)
- MOS-LQ / MOS-CQ / R-factor calculation
- VQM (Voice Quality Monitoring) report
- Voice statistics

Interoperability

- SIP Header Manipulation
- SIP Connect 1.1 / 2.0
- Interworking ISDN/SIP and Analog/SIP

Management

- Command Line Interface (CLI)
- Telnet, SSH, HTTPS
- NETCONF server compatible V1.0/V1.1
- Web-based configurator for LAN
- SNMP V1/V2C/V3
- Flow capture and decoding
- Configurable end-user web GUI
- Support of user privileges
- FTP/SCP/SFTP/TFTP upload/download configuration and binaries
- QoS measurement probe
- Traceroute, ping, extended ping
- User authentication via RADIUS or TACACS+
- RADIUS accounting
- Global statistics screens (console, web-based). Event and trace buffering
- Syslog client
- Flow capture and decoding

Auto-Provisioning

- NETCONF
- TR-069 & TR-104
- Embedded Event Manager
- Easy provisioning through OneManage*

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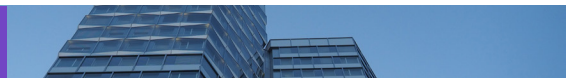


Regulatory

- FCC, UL, CSA, CE

Dimensions and Environment

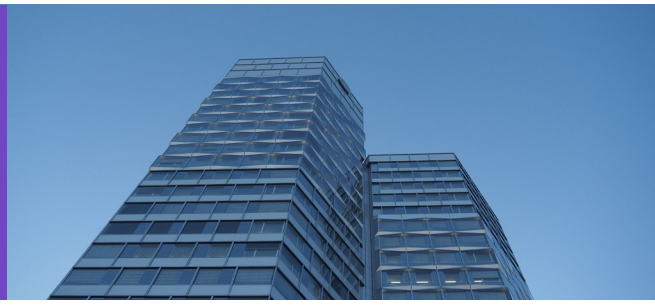
- Desktop, wall mountable, rack mountable
- W x H x D: 360 x 59 x 221 mm (14.18 x 2.33 x 8.7 inches)
- Weight: 1.45 kg (3.20 lb) w/o power supply

Power Supply

- External adapter 12V – 3A or 5A depending on the hardware model
- On/Off switch
- System reset button

* *Contact Ekinops for avaiability*

About EKINOPS



Ekinops is a leading provider of open and fully interoperable Layer 1, 2 and 3 solutions to service providers around the world. Our programmable and highly scalable solutions enable the fast, flexible and cost-effective deployment of new services for both high-speed, high-capacity optical transport networks and virtualization-enabled managed enterprise services

Our product portfolio consists of three highly complementary product and service sets: Ekinops360, OneAccess and Compose.

- Ekinops360 provides optical transport solutions for metro, regional and long-distance networks with WDM for high-capacity point-to-point, ring and optical mesh architectures, and OTN for improved bandwidth utilization and efficient multi-service aggregation.
- OneAccess offers a wide choice of physical and virtualized deployment options for Layer 2 and Layer 3 access network functions.
- Compose supports service providers in making their networks software-defined with a variety of software management tools and services, including the scalable SD-WAN Xpress.

As service providers embrace SDN and NFV deployment models, Ekinops enables future-proofed deployment today, enabling operators to seamlessly migrate to an open, virtualized delivery model at a time of their choosing.

A global organization, with operations in 4 continents; Ekinops (EKI) - a public company traded on the Euronext Paris exchange - is headquartered in Lannion, France, and Ekinops Corp., a wholly-owned subsidiary, is incorporated in the USA.

EKINOPS360 Dynamic Optical Transport

COMPOSE

ONEACCESS

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