VoIP-Industrial Call Station

VIPCOS 615

Vonamic

SERVERLESS

IP INTERCOM

PTT - PUSH TO TALK

Serverless call station for industrial applications. VIPCOS 615 combines intercom
and telephone applications based on state-of-the-art network technology.

VIPCOS 615

Weatherproof up to IP66

Glass-fibre reinforced polyester

Public Address

Weatherproof call station made of glass-fibre reinforced polyester

VIPCOS 615 the serverless IP Industrial Intercom Station is a versatilely usable device designed specifically for industrial intercom. VIPCOS 615 guarantees a full, state-of-the-art network based communication during production processes not only for safety and security reasons. In addition to that it offers an excellent voice quality, fail-safe (guaranteed by permanent self-test and monitoring), sophisticated design and easy to use operation taking into account accessibility for heavy industrial use as well as additional interfaces for the connection of peripheral systems or operational equipment. VIPCOS 615 can be leveraged to the needs of your location and related requirements any time flexibly and individually.

Borderless communication

Apart from an easy handling of the VIPCOS 615 in normal use, the call station also excels at simple operation in difficult and stress situations. The simple standard specifications, as the ones in a telephone and intercom system, meet these requirements in one system unit. A basic prerequisite for a fail-safe communication process independent of the respective situation is excellent hands-free behaviour. The VIPCOS 615 makes it all possible by processing voice data exclusively digitally supported by a high level DSP (Digital Signal Processor).

Reliability

Unrestricted operability is the highest priority for the use of the VIPCOS 615. This is guaranteed by permanent monitoring and consistent decentralized logical units. For this purpose, apart from

TECHNICAL SPECIFICATIONS

Inputs:	2 x Double Level Switches 1 x Dial pad 1 x Microphone
Outputs:	1 x Loudspeaker 1 x 25 W built in amplifier up to 40 W, 10W at PoE 1 x Relais contact, 10 A at 230 V
Network:	1 x Ethernet 100 Base-T Auto MDX / MDIX (switched)
Software:	RTOS (Real Time Operating System) on ARM7-CPU
Storage:	4 MBit ROM, 1 MBit RAM integrated alarm tones (optional)
Computer power:	55 MIPS
Protocol:	
IP:	Internet Protocol Version 4
TCP/UDP:	Transport protocol
ARP:	Address Resolution Protocol
RTP/RTCP:	Realtime Transport Protocol
DHCP:	Dynamic Host Control Protocol (Client)
ICMP:	Internet Control Message Protocol
VoIP Protocol:	SIP (STUN) standard and severless
Audio codec:	G.711alaw
SNMP:	optional
TFTP:	Trivial File Transfer Protocol (Server)
HTTP:	HyperText Transfer Protocol (WebServer)

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communication among all call stations used and the functioning of the individual boards, also the operability of loudspeakers and microphones are continuously monitored using an acoustic pilot tone. VIPCOS 615 is based on the worldwide accepted high level management procedure SNMP, ensuring a reliable system control.

High Flexibility

The requirements of an industrial intercom system may vary a lot depending on the particular environment. VIPCOS 615 offers a highly flexible concept to incorporate these conditions. Low power consumption facilitates the use of power over Ethernet, so that a local power supply is not necessary. VIPCOS 615 is freely configurable depending on the individual requirements, e. g. simply pressing the predefined twin switch lever for intercom use, simply dialing the required destination by pressing the related digits on the numeric keypad, display of the call by activating external signal sources, voice mail for alarm signals and predefined announcements.

Access all areas

By using standard interfaces and protocols communication and even configuration are very simple. The device configuration of VIPCOS 615 is achieved by using a standard Web browser such as Internet Explorer or Mozilla Firefox. VIPCOS 615 allows the use of new software features by distribution over IP. This ensures easy and safe handling.

Wide Extensibility

VIPCOS 615 covers a lot of standard applications. By additional interfaces, such as USB, the system can be expanded as required. This facilitates the design of individual communication applications tailor-made for your needs and requests, including public address via IP.

TECHNICAL SPECIFICATIONS

Frequency:	G.711 alaw, 300 – 3400 Hz (optional µlaw)
Optional:	G.722 (20 – 7800Hz), at same data bandwith
Power:	PoE (Power over Ethernet) acc. IEEE-Standard 802.3af
Power consumption:	4 / 15 / 45 W
Power:	48 - 56 V/DC or 24 V/DC
Temperature:	from -25 bis +70 °C
Software:	Fast Boot Function
Call:	own No. or Group
Groups:	member of 250 different groups
Group priorities:	250
Configuration:	up and download via web interface
Self test:	automatic
Safety:	Watchdog-Function in the RTOS
Dimensions:	500 x 120 x 180 mm (H x W x D)
Material:	reinforced polyester
Housing color:	orange (RAL 2004)
Weight:	approx. 4,0 kg
Classification:	according to DIN EN 60529 / IP66

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Communication on the outside line

Optionally, VIPCOS 615 offers transmission technology for networking using telecommunication cables - the VIPCOS 615 Voice-Link, with a range of 750 meters . By a duplication of transmission technology, range enhancements in lines (e.g. alongside roads) or redundant rings are possible.

Weatherproof and temperature-resistant

VIPCOS 615 again shows the longstanding cooperation with our customers and the everyday experience that helps to develop and improve our products continuously. VIPCOS 615 withstands adverse environmental conditions such as dust and splash water. It is condensation and maintenance-proof thanks to a sophisticated design. Due to its extended temperature range the device can be used almost everywhere. VIPCOS 615 signalling is the latest technology in accordance with the SIP standard.

Approvals

For specific country approval, please call.