

# The Ultimate Industrial-Military VoIP PABX & Telecommunication Server

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The AT VAS-1 Industrial/Military VoIP PABX & Telecommunication Server is a military/industrial grade field hub for Voice and Data communications. Using a web based setup tool the system can be easily configured to provide a multifaceted communications from simple analog telephony through to complex IP routing and video conferencing. Once the system is configured – reconnection is automatic.

The core software is run on a highly stable Linux operating system and intelligently provides automatic reorganisation in the event of link failure.

The AT VAS-1 supports the interconnection of analogue field telephones, radio telephone, Voice over IP, Video Conferencing, Data Communications with routing and Ethernet connection with interfacing to G.SHDSL modems and the PSTN network.

The AT VAS-1 is simple to configure and is designed for rapid deployment using quick connector terminals. For data communications it can be connected to existing networks or can even be used as a Router with DHCP and DNS support.

Multiple AT VAS-1 units can be connected together on the same network for expansion and provide automatic smart rerouting in the event of data communication drop out.

The AT VAS-1 is suitable for field communications at either tactical or operational command levels.

Using significant experience providing communication solutions to military, government and non-government organisations, AT engineers have developed a modern communication system that conforms the latest digital standards is robust and provides maximum system availability.

The AT VAS-1 is capable of operating from its own on board batteries, vehicle batteries or standard power supply.



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### AT VAS-1 Capabilities;

- ✓ Communications interconnect for tactical radios.
- ✓ A PABX for up to 24 analogue field telephones
- ✓ SIP v2 proxy gateway and sip v2 server which enables connecting both server and user SIP equipment for Voice over IP
- ✓ Portable WAN infrastructure network via G.SHDSL modems which connects multiple AT VAS-1 units up to 10 km apart
- ✓ Local LAN hub connecting IP devices via Ethernet cable up to 115 m
- ✓ LAN Router supporting RIP, OSFP, NAT, PAT, DHCP, DNS;
- ✓ Via optional modules operation as a digital multiplexer with R2, R1.5, EDSS protocols which provides connection to the PSTN Public Switched Telephone Network
- ✓ Via optional modules provide remote controls via the following protocols RS-232, RS-485, E3, E1 , V36 switches.

- AT VAS-1 units can be connected to an existing IP network out of the box as each unit has a unique identifier.
- AT VAS-1 is configurable via a standard web browser and SNMP manager v2 software

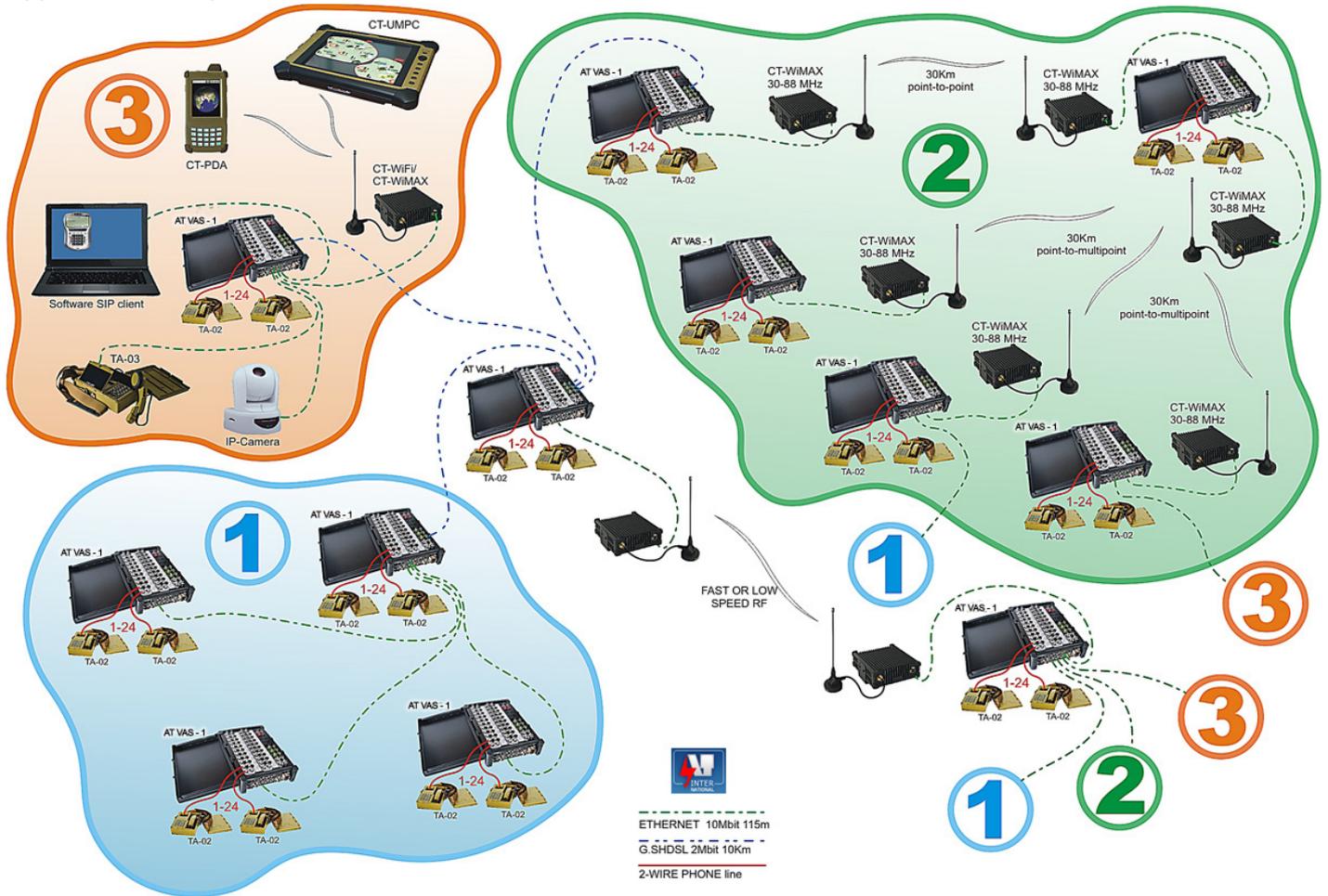
### Technical Characteristics of AT-VAS-1



- ✓ System software running on a stable linux-core with web configurable system parameters.
- ✓ Automatic system connection to IP network with zero configuration out of the box
- ✓ Automatic rerouting (self healing) of connection in case of link failure;
- ✓ SIP server and SIP proxy gateway
- ✓ Videoconference capability
- ✓ IP-router which supports: RIP, DSFP, NAT, PAT, DHCP, DNS standard protocols
- ✓ Alternative IP data transfer via RS-232, RS-485, E3, E1, V36 channels;
- ✓ 24 analog user ports (FXS) to connect telephones

- ✓ Mechanical construction suited to extremely rugged Industrial and Military operating conditions.

### Application Examples



ACCESSORIES STANDART:			ACCESSORIES OPTIONAL:	
VAS1-TO-VAS-1	VAS1-TO-ETH	VAS1-PWR	VAS-IND-BC	VAS-IND-PWR
Cable for VAS1 to VAS1 connection	Cable for VAS1 to rj45 connection	Standart power supply. 12V 3.3A	Industrial waterproof battery and charger	Industrial waterproof power supply

Technical Characteristics:	
Protocol Supported	STP, IP, ICMP, TCP, UDP, ARP, FTP, TFTP, DNS, HTTP, SNMP, MIB II, NAT, PAT, DHCP, VLAN (802.1 q), PPPoE, SIP
FUNCTIONAL	ROUTER/ BRIDGE MODE, IP-FILTERING, SMART ETHERNET switch , 24 Line PABX, SIPv2.0 Gateway
Connections	10/100 BASE-TX 5-Ports, G.SHDSL- 3 Ports, FXO/FXS - 24 lines (OPTIONAL), 1*E1 (R 1.5, EDSS) (OPTIONAL)
Managment	WEB, SNMP, SNMP TRAP
Speech coding	G.711, ACELP 4,B, G.729AB
Statistics	By every Ethernet Port. Calls of PABX and SIP gateway.
Dimensions	380X260X105 ~7KG
Power supply	11 -29V AC

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