



VIPET IP Audio Controller

DESCRIPTION

The VIPET is a hardware platform developed in conjunction with ASL's VIPA software suite that provides a compact Voice over IP and Digital Voice announcement solution. It is fully compatible with ASL's range of Voice Alarm products and has been optimised for low power and high reliability.

The VIPET has a flexible architecture that allows the software and hardware to be customised for particular applications.

The standard VIPET platform includes a dedicated watchdog and provides 2 Ethernet ports and three serial ports. There are options for: 4, 8, or 12 audio channels; 8 extra serial channels; digital I/O ports; analogue input ports; DC or AC power supplies; and flash and/or hard disks. The units can run headless, or with a monitor, mouse and keyboard, and/or touchscreen.

The base VIPET software includes: Linux Operating System, Voice over IP, interfaces to ASL standard equipment such as Routers and Microphones, and third party interfaces for control and fault reporting. There are software options for Graphical User Interfaces, Digital Voice Announcement facilities, and Remote I/O expansion. Customised controls such as for digital signage displays and other peripheral equipment can also be provided.

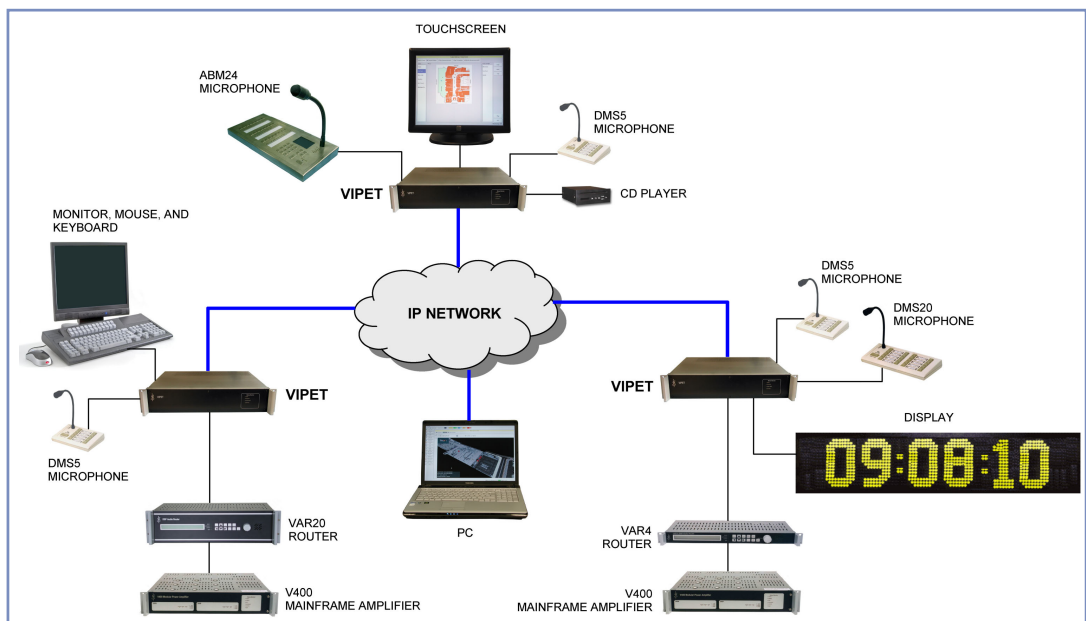
VIPETs can be configured to run as stand-alone units or in a network. They support full peer-to-peer communications for both Voice and Control. This provides an IP enabled distributed operating platform for ASL software and other applications, with connectivity, control, and monitoring functions.

ASL's Voice over IP solution allows the VIPET audio outputs to be synchronised across the network, and allows the use of low bandwidth codecs for "long line" applications.

The VIPA software can be controlled and upgraded either locally or remotely.

For further details refer to the VIPET Product Description and visit www.asl-electronics.co.uk.

APPLICATION DIAGRAM



SPECIFICATION

VIPET-FRAME

General

Processor	x86 600MHz Fan less
Memory	DDR DIMM 256MB to 1GB
Power Consumption	1.5A @24V DC 200mA @230V AC
Number of RS232 Ports	2 ¹
Number of RS485 Ports	2 ¹
Number of RJ-45 Ports	2 x 100BASE-T Ethernet
Number of PCI Slots	2
Number of USB Ports	4 x USB 2.0

Dimensions and Weight

Dimensions (H x W x D)	88mm x 437mm x 325.32mm (excl. handles and connectors)
Weight	6.8kg

Environmental

Temperature	-5°C up to +50°C
Humidity Range	0% to 93% Non-condensing

VIPET-PSU-MAINS

Power Supply	230V AC
Connector	IEC320 socket
Mounting	VIPET rear panel

VIPET-PSU-24V

Supply Voltage Range	21V–40V DC (nominal 24V DC)
Under Voltage Shut-down	@21V DC
Connection	2-way pluggable female Wago cage clamp
Mounting	VIPET rear panel

VIPET-FLASH

Compact Flash Memory	512MB to 4GB
Mounting	Internal to VIPET

VIPET-HDD

Hard Disk Drive	IDE or SATA
Mounting	Internal to VIPET

VIPET-AUDIO

VIPET-AUDIO-4 Audio Card

Full Duplex Recording Interface	
Inputs	4
Outputs	4
Input Impedance	10kΩ minimum
Mounting	Internal to VIPET / PCI card
I/O Connector	15-WD male connector

VIPET-AUDIO-8 Audio Card

Full Duplex Recording Interface	
Inputs	8
Outputs	8
Input Impedance	10kΩ minimum
Mounting	Internal to VIPET / PCI card
I/O Connector	44-WHD female connector

BOB04 Audio Breakout Box

Inputs	4, balanced
Outputs	4, balanced
I/O Connectors	Pluggable screw in terminals
Connection to VIPET-AUDIO-4/8	37-WD female connector ASL lead available – BOB04-CABLE
Mounting	External to VIPET / DIN Rail or Surface mount

BOB08 Audio Breakout Box

Inputs	8, balanced
Outputs	8, balanced
I/O Connectors	Pluggable screw in terminals
Connection to VIPET-AUDIO-4/8	37-WD female connector ASL lead available – BOB08-CABLE
Mounting	External to VIPET / DIN Rail or Surface mount

VIPET-SERIAL-4

USB to RS485 port expander	
Number of RS485 Ports	4
RS485 Connectors	9-WD male
VIPET Connector	USB type B
Accessory	Wall mounting power adapter supplied
Mounting	External to VIPET 1U 19" rack mounting shelf provided

¹ One of the RS232 ports can be set to RS485 by internal link. By default, it is set to RS232. The total number of RS485 and RS232 ports is three, without extra expansion units.



This equipment is designed and manufactured to conform to the following EC standards:

EMC EN55022:1998, EN55103-1, EN61000-6-3, EN61000-3-2, EN50121-4, EN61000-4-2/3/4/5/11, EN55103-2, ENV50204, EN61000-6-2, EN61000-3-3, EN61000-4-16, EN55024 (CISPR24)

Safety EN60950

Manufacturer

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