



### Key business benefits

- Scalable devices to meet all requirements
- Remotely re-configurable
- Bandwidth reduction especially for voice
- Management flexibility
- Operation cost reduction
- Low cost of ownership
- Comprehensive training and configuration support

### Applicable markets

- Maritime
- Defence
- Emergency services
- Banking
- Small and large enterprises

## Ultra Communicate VadEDGE platform Product Overview

The VadEDGE range of single platform devices enable effective communication at the edge of the enterprise network. As an example with VadEDGE, mobile, regional and remotely located teams are able to access voice and data communication channels available within their organisation's headquarters and beyond.



#### BENEFITS

- High availability
- Bandwidth optimisation
- Aggregation of network services
- Possible to download or change configuration remotely

#### FEATURES

- Deployable in many different vertical sectors and enterprise network operations
- Support for a wide range of protocols, physical interfaces and network topologies
- Any services over any bearer(s)
- Data and voice (analogue and digital) in a single platform if required
- Next generation wired and wireless IP
- Support for legacy network protocols
- Multi-hop, multi-bearer switching
- Central control and simple management

VadEDGE

### Delivering specialist communication solutions

The VadEDGE platforms supports a wide range of protocols and physical interfaces.. This enables customers to aggregate and effectively deliver multiple service streams over almost any bearer communications medium including GSM, PSTN, ISDN, Serial, IP, Fibre, Ethernet and Satellite (VSAT).

Combining voice (analogue and/or digital) with data services such as FAX, IP, PoS support, the VadEDGE efficiently and cost effectively manages bandwidth through dynamic packet fragmentation and compresses whilst ensuring Quality of Service.

The VadEDGE devices are deployed where flexible and robust communications is essential and in strategic and tactical applications. The products offer intelligent communications routing, multiplexing or protocol translation. With other Ultra Communicate and Ultra Encrypt products from AEP, the VadEDGE provide wide area and satellite networking in remote territories with a high level of security.

## Hardware Specification

Model	VE-4202	VE-4206	VE-4208	VE-4230d
	Data only		Data with analogue voice	Data with analogue voice
<b>Fixed Data Interfaces</b>				
Ethernet 10/100 (fixed)	4	4	4	4
WAN (Serial)	2	6	2	2
<b>Fixed voice interfaces</b>				
FXS			8 <sup>1</sup>	
FXO			8 <sup>1</sup>	
E&M			8 <sup>1</sup>	
Digital Voice Channels <sup>2</sup>				30
<b>Supported optional modules</b>				
1 x ISDN BRI <sup>3</sup>	Y	Y	Y	Y
1 x ISDN PRI <sup>3</sup>	Y	Y	Y	Y
1 x SFP Fibre Ethernet <sup>4</sup>	Y	Y	Y	Y
Compression/Encryption	Y	Y	Y	Y
3G	Y		Y	
PSTN	Y		Y	
Approvals	CE, FCC			
Dimensions	Width = 425mm Depth = 270mm Height = 44mm (1u)			
Weight	4.5Kg			
Power	90-250v AC Power consumption = 20W			
Operating temperature	0 deg C to 45 deg C			
Operating humidity	30-90% RH (non-condensing)			

## Notes:

1. Max of 8 interfaces. Please specify the type and combination of interfaces on the order
2. The unit has a ISDN PRI module fitted. Only one of these is supported
3. Either ISDN BRI or PRI
4. Different fibre type (single mode or multi-mode) range options are available

## Selection of extensive protocols and features supported

- Frame Relay
- TCP/IP, PPP, SLIP
- PAP/CHAP
- X.25
- Basic and Primary rate ISDN
- MAC bridging, IP routing
- NAT/PAT
- UDP header compression
- IP/UDP encapsulation
- TCP Telnet (Client & Server)
- Analogue and Digital voice
- User selectable analogue voice compression algorithms

## Ordering information

Product	Ordering Part Number
VadEDGE 4202 data unit	VE-4202
VadEDGE 4206 data unit	VE-4206
VadEDGE 4208 data and analogue voice unit	VE-4208
VadEDGE 4230 data and digital voice unit	VE-4230d
Single FXS Interface	VE-FXS
Single FXO Interface	VE-FXO
Single E&M Interface	VE-E&M
ISDN BRI module	VE-BRI
ISDN PRI module	VE-PRI
SFP Ethernet module	VE-SFP
Compression / encryption module	VE-COMP
3G	VE-3G
PSTN Modem	VE-PSTN



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