

# VEGA

## DESCRIPTION

Digicom's VEGA devices have been projected and carried out to **convert** and **transport** the data coming from RS232 serial ports **via IP**.

VEGA is the ideal solution for the **transport of industrial information** even thanks to the common use of Internet joined with the large availability of accesses and to the low cost.

VEGA has **4 serial ports RS232C** with a maximum speed of 19200 bps. Optionally it is possible to install a radio communication module at 868MHz. In this case it will be able to manage up to 110 addresses in half-duplex.

Equipped with a powerful ARM9 microprocessor, VEGA can **concentrate the data** and **send them through the Internet**, depending on the installed communication module.

VEGA is available with 3 different communication modules:

- **PSTN Analog Modem** ( 56Kbps V.90 version or 33.6Kbps V.34+ version).
- **900-1800MHz Dual-band GPRS Modem** (Class 2 or Class 10 version).
- **Built-in ADSL Router**.

In the **Wireless version** (GPRS modem and 868MHz local communication module) a particular care has been placed while carrying out the device to reduce the eventual interaction between the two wireless technologies (868 and 900MHz!).

All the operating modes, management and scheduling of the connections will be managed directly by VEGA depending on the set configurations.



- IP serial concentrator
- 4 serial ports RS232C on RJ45 connector
- ARM9 high performance processor
- Led indicators: Power, Wireless, WAN
- SOS and Help membrane buttons
- Antitamper circuit
- Power: 12Vcc
- Max consumption: 8Watt
- CE Mark

### GPRS Communication Module

- 900-1800MHz Dual-Band
- Data and SMS
- External antenna on SMA connector
- GPRS Class 10

### PSTN Communication Module

- 56Kbps (V.90) module
- Line connector on RJ11
- CTR21 interface

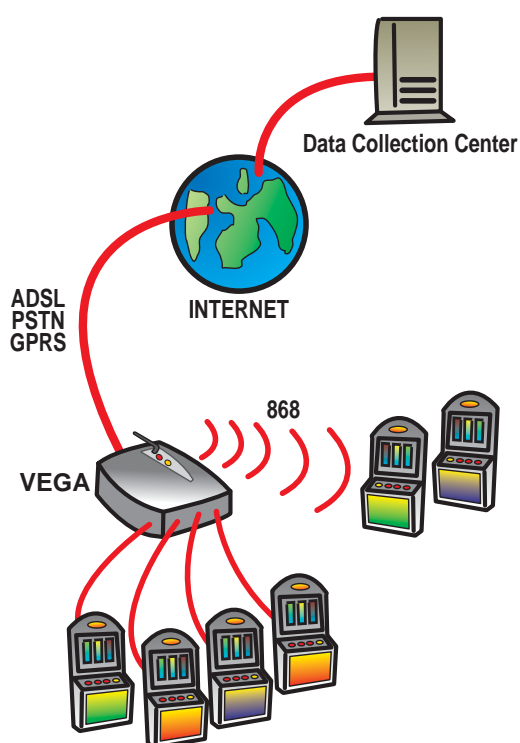
### ADSL Communication Module

- Built-in ADSL Router
- ADSL Standard: ANSI T1.413 Issue 2, ITU-T G.992.1 (G.dtm), ITU-T G.992.2 (G.Lite)
- Protocols: RFC2364 (PPPoA), RFC2516 (PPPoA), RFC1483 (Bridged and Routed Ethernet over ATM)

# VEGA

Two buttons are present on the front panel: **SOS** and **HELP**; one is used to activate a request for an on-site intervention, the other one the request for a call from the system assistance center.

Furthermore VEGA is equipped with a security circuit (Antitamper) that sends a message in case an attempt of intrusion is detected.



## 868MHz Wireless Module

- 868MHz (W versions) Master Radio Module
- Max. transmissive power: 10mW
- Half-Duplex operating mode
- Up to 20 Clients
- Max distance 40-50 m
- Data encryption support

## Bluetooth Module

- Class 1 transmissive power 10mW
- Frequency 2.4 GHz
- Full-Duplex operating mode
- Up to 20 Client
- Max distance 10 m
- Data encryption support

Code	Description
8D5538	<b>VEGA AS</b> - Wan/ADSL, 4 serial ports RS232
8D5539	<b>VEGA ASW</b> - Wan/ADSL, 4 serial ports RS232, Wireless
8D5540	<b>VEGA GS</b> - Wan/GPRS, 4 serial ports RS232
8D5541	<b>VEGA GSW</b> - Wan/GPRS, 4 serial ports RS232, Wireless
8D5542	<b>VEGA MW</b> - Wireless Modem
8D5543	<b>VEGA LS</b> - Wan/LAN, 4 serial ports RS232
8D5542	<b>VEGA LSW</b> - Wan/LAN, 4 serial ports RS232, Wireless