



ESERV-11 Modem



## Embedding the Internet™

ESERV-11 Modem is machine-to-machine (M2M) server with full modem handshaking capability making it superb replacement for old PSTN and GSM modems in building and facility automation.

If you have an installed base of conventional PSTN or GSM modems in remote management application, ESERV-11 Modem is a superb solution to change communications over TCP/IP and Ethernet networks thus lowering significantly operating costs.

The ESERV-11 Modem implements modem handshaking signals which allow drop-in replacement of conventional PSTN and GSM modems in existing applications.

By changing the M2M-communications over TCP/IP networks you get rid of variable costs involved in PSTN lines and circuit switched data with minimum effort.

By using TCP/IP networks in M2M-communications with ESERV-11 you will gain the advantage of email as a data transmission method.

Viola acknowledges that fast execution is the key to business success. That is why ESERV-11 Modem needs minimal effort in adoption.

# Do you want to be more efficient?

## Key Features

- Implements modem handshaking signals
- Drop-in replacement for PSTN and GSM modems
- Moves M2M-communications over TCP/IP networks
- Available in both bulk and starter kit packages
- Ideal for building automation

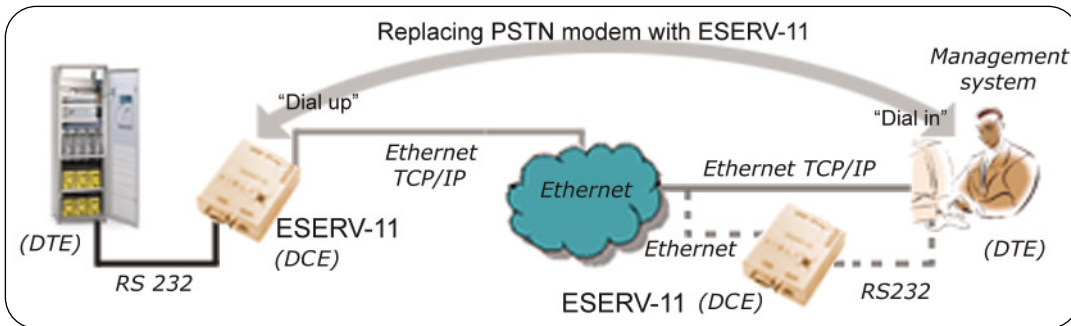
## Software Tools

### Viola Configurator™ for Windows®

Viola Configurator™ is a software tool that enables flexible and effortless configuration of device servers either one-by-one, or several ones simultaneously. Viola Configurator™ includes functions for set-up and changing of IP addresses, as well as functions for uploading Web pages to the device servers.

## Virtual COM for Windows®

Virtual COM is a driver software for virtually redirecting the serial port communications from PC-applications to remote device servers, and vice versa. This software allows you to continue using existing applications that is based on serial communication. The difference is that the device can reside on the other side of the globe, if needed.



## Contact Us Today

We will be glad to tell you more about how to be on the edge of development and to free additional value from your existing portfolio of assets. For more information about the ESERV solution, contact us now.

## Key Specifications ESERV-11 Modem

### Network Protocols

ARP, IPv4, ICMP, UDP, TCP, HTTP, BOOTP, TFTP, POP3, SMTP, DNS, DHCP

### Network Interface

Ethernet 2.0/IEEE 802.3  
RJ 45 Ethernet Connector (10Base-T)  
Pre-programmed MAC-address

### Device Interface

Physical: RS232, RS485/422 (asynchronous)  
Connector: DB9 Female  
Based Rate: 1200-38400 bps  
Data bits: 7 or 8  
Stop bits: 1 or 2  
Parity: even, odd, none  
Flow Control: CTS/RTS  
Handshake: DCD, RL, DTR, DSR  
Other: AT-command support

### System Software

Proprietary operating system, downloadable over serial port  
HTTP server  
Downloadable Web pages and Java Applets

### Management and Security

Web browser  
Windows™ configurator software  
Serial login  
Telnet login  
IP address and domain filtering

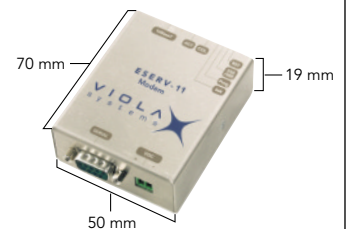
### Product Options

External power supply 100-240VAC (optional)  
DIN-rail attachment clip  
Bulk package, Starter Kit package

### Environmental and Power

Diagnostic: Activity and Good link led  
Input power: 7-24V DC less than 200 mA  
Temperature (operating): 0°-70°C (32°-158°F)  
Humidity: 5-95%, non condensing  
Dimensions: 50x70x19 (mm)  
Mounting: Stainless steel casing, wall mount

## Dimensions



## Ordering Information

### ESERV-11 Modem

Order code 2160 (EUI)

### ESERV-11 Modem Starter Kit

Order code 2169 (EUI)

### Ordering Address

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