



ESERV-10S for
SATELLINE Radio Modems



Embedding the Internet™

ESERV-10S is a groundbreaking solution that connects your installed base of assets by using SATELLINE Radio Modem into today's digital information networks. Leveraging the Internet, ESERV-10S brings clear cost advantages by defining new and innovative means for device configuration, control and upgrade. What is more, the solution enables companies to develop and deliver fresh value-adding services to their customers.

Real-time communication and efficient information sharing is a necessity for successful business. Viola offers the ESERV-10S solution to network existing assets – be it remote Ethernet devices that require wireless radio modem link or remote assets that are connected by SATELLINE Radio Modems to local area network – and thus enables you to deliver the most value out of the assets.

The ESERV-10S device server leverages the Internet to **seamlessly integrate** assets and SATELLINE Radio Modems to existing digital network infrastructures. This enables the assets to collaborate with people and each other in a new manner.

Thanks to this **connectivity**, you are able to communicate with the assets

from anywhere at any time. This revolutionizes the way the assets can be operated, controlled, configured and upgraded – realizing into significant reductions in operational costs.

Viola has paid careful attention to customer needs when designing ESERV-10S. The solution is built to offer **transparent connection** between a serial device and Ethernet without the need to modify the existing design of the device or radio modem.

Additionally, the solution adds in **several intelligent features** to make life easier. For example, the assets can be made to read and send e-mail. Embedded web server, serving also Java applets, allows rapid development of easy to use graphical user interfaces for purposes of configuration and operation of device servers and assets. Enhanced

data security features are included. ESERV-10S is also coupled with state-of-the-art software to facilitate the effortless management of entire asset portfolios.

Viola acknowledges that fast execution is the key to success in business. This is why ESERV-10S requires **minimal effort in adoption** while retaining the possibility for quick customization according to your special needs. Viola offers high-quality and rapid technical support to make the installation process as fluent as possible.

As a result of combining unique resources and capabilities, Viola is one of the best candidates for a **long-term partner**. The Viola people work every day to help you to lever the most value out of your assets.

Plug your portfolio of assets to the Internet. And play.

Key Features

- Entry-level Internet access technology for your installed base of products
- Instant Internet connectivity with minimal effort in adoption
- Transparent connection between a serial device and Ethernet
- Interfaces with SATELLINE Radio Modems without the need to modify them
- Rapid technical support

Software Tools Viola Configurator™ for Windows®

This is a software tool that facilitates the flexible and effortless configuration of the device servers – either one-by-one, all at once or something in between. Viola Configurator™ includes functions for IP address management, e-mail as well as for uploading HTML and Java to the servers. For the smooth installation of the device servers, Viola provides user interface programming examples alongside the software.

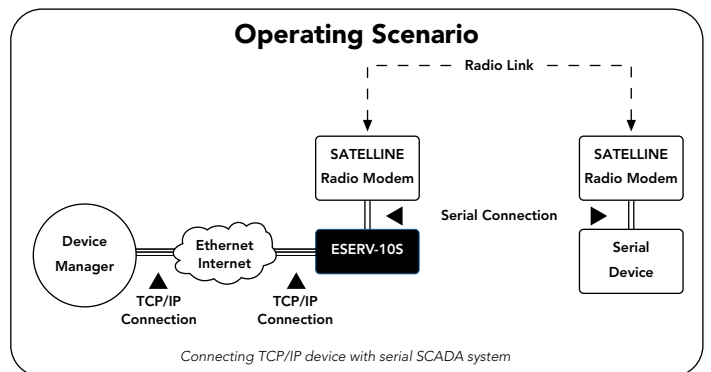
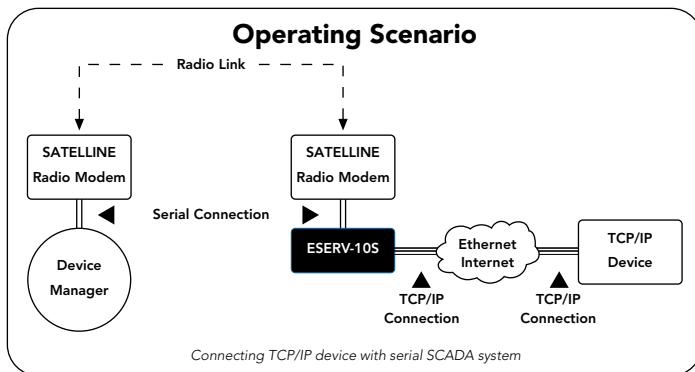
Viola Virtual COM™ for Windows®

This is a driver software for transparently redirecting serial port

communications from PC applications to remote device servers, and vice versa. This software allows you to continue using existing applications that are based on serial communication. The difference is that the device can reside on the other side of the globe, if needed.

Contact Us Today

To obtain the latest information, please visit our website at www.violasystems.com or www.satel.fi. You can order products through Satel Oy as well as get the latest information of SATELLINE Radio Modems.



Key Specifications ESERV-10S

Network Protocols

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

Network Interface

Ethernet 2.0/IEEE 802.3
RJ45 Ethernet connector (10Base-T)
Pre-programmed MAC-address

Device Interface

Serial port RS232 (asynchronous)
Male DB9 connector
Variable baud rate 1200-38400 bps

Serial Line Formats

Data bits: 7 or 8
Stop bits: 1 or 2
Parity: even, odd, none

Serial Communication Protocols

AT-command support
Satellite Radio Modem communication

Flow Control

CTS/RTS

Management and Security

Web browser
Serial login
Telnet login

System SW

Downloadable over serial port

Web pages and Java applets

Downloadable from TCP/IP host or over serial port
Fast internal HTTP server

Diagnostic LEDs

Good link
Activity

Power Requirements

7-24V DC, less than 200 mA

Operating temperature

0 to 70°C (32 to 158°F)

Humidity

5-95%, non condensing

Physical Dimensions

Size: 65 mm x 75 mm x 27 mm
(2.559 x 2.953 x 1.063 in)
Stainless steel cover

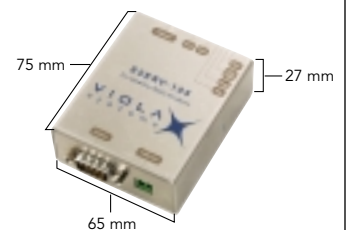
Mounting

Wall mount plate (stainless steel)

Accessories

DIN-rail attachment clip
115/230VAC power supply

Dimensions



Ordering Information

ESERV-10S for
SATELLINE Radio Modems

ESERV-10S Starter kit

Ordering Address

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