



Web-based Magellan Explorer

Overview

eServer is a multi-seat web-based Magellan Explorer solution that allows remote PCs to display a Magellan Explorer interface from within their web browser, while accessing information on a remote PC.

In conjunction with a client-side downloaded ActiveX control plug-in, **eServer** allows remote clients using a web browser to download and display frames of a Magellan project through a network or internet connection without needing a local copy of that project.

Features

eServer is bundled with the **MagellanX** ActiveX control required for download onto a client web browser, and offers the following advantages over the Magellan Explorer program:

- Users do not need to have a licence for Magellan Explorer on their PC – they simply log on to a web site which automatically downloads the **MagellanX** ActiveX control and starts a session with a remote **eServer**
- Only one copy of the Magellan project file (.mag) needs to be stored and maintained on the server
- All audit logging is carried out on the server PC giving a centralised audit trail repository
- The interface presented with **MagellanX** is no different to using the Magellan Explorer program itself
- Updates to the master project file are automatically recognised by the clients next time they connect to **eServer**
- Protected with a security key and shipped standard with support for concurrent connections over a network or internet connection depending on version
- Efficient interaction between client and server ensures only the required components of the Magellan project are transferred to the client
- Client-side caching ensures that graphical images are only transferred if they have not previously been accessed by the client
- Integrated support for Crystal Reports
- Relational database support for Microsoft® SQL Server® 2016 R2 Express Edition, Microsoft® SQL Server® 2008 R2 Express Edition.
- Display Historic Trend information via **Innotech® Chronicle Server**, with support for up to 100 SQL Server database connections in a project (not-concurrent)
- Can be configured to use SSL Certificates and https



Supported Operating Systems:

- Windows® Server 2012 R2
- Windows® Server 2008 R2 with Service Pack 1
- Windows® 10 Professional 64-bit & 32-bit
- Windows® 7 Professional 64-bit & 32-bit with Service Pack 1

Minimum System Requirements:

- Intel® Pentium® 2.8GHz dual core processor or equivalent
- 4GB of RAM
- 350MB Hard Disk Drive space required
- 1920 x 1080 display with 16-bit video card for standard graphics
- USB Port
- Keyboard and Microsoft® mouse or compatible pointing device
- Requires a computer with iComm software installed

eServer Products

- eServer 10 seat: 10 client connection with no point limit

eServer Products

	Programs Included		
Order Code	Magellan Builder	Magellan Explorer	eServer
eServer (Unlimited points)	X	✓	✓ (10 seat license)

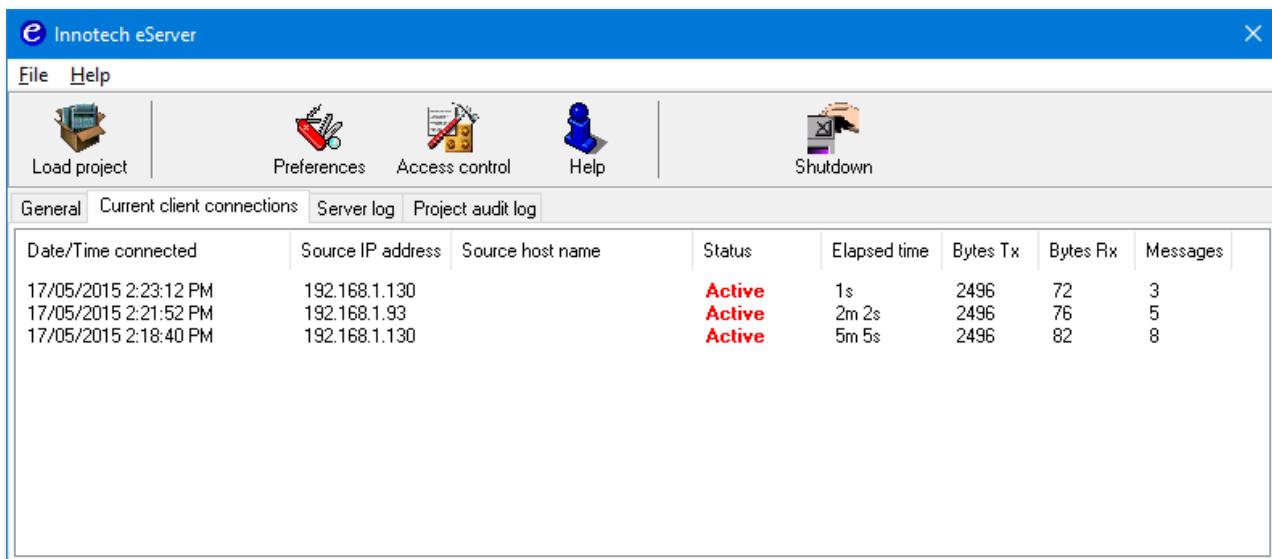
Specifications

- Distributed on CD with an electronic security key for software protection
- Includes necessary ancillary files and optional add-on components
- Requires firewall access to **eServer** port 20001 and port 80 on **eServer** PC
- Requires firewall access to **iComm** port 20000 on **iComm** Server PC
- Requires Microsoft Internet Explorer® 11
- Does not support Magellan projects which interact with OPC devices
- Shipped with **MagellanX** ActiveX control and sample web-page

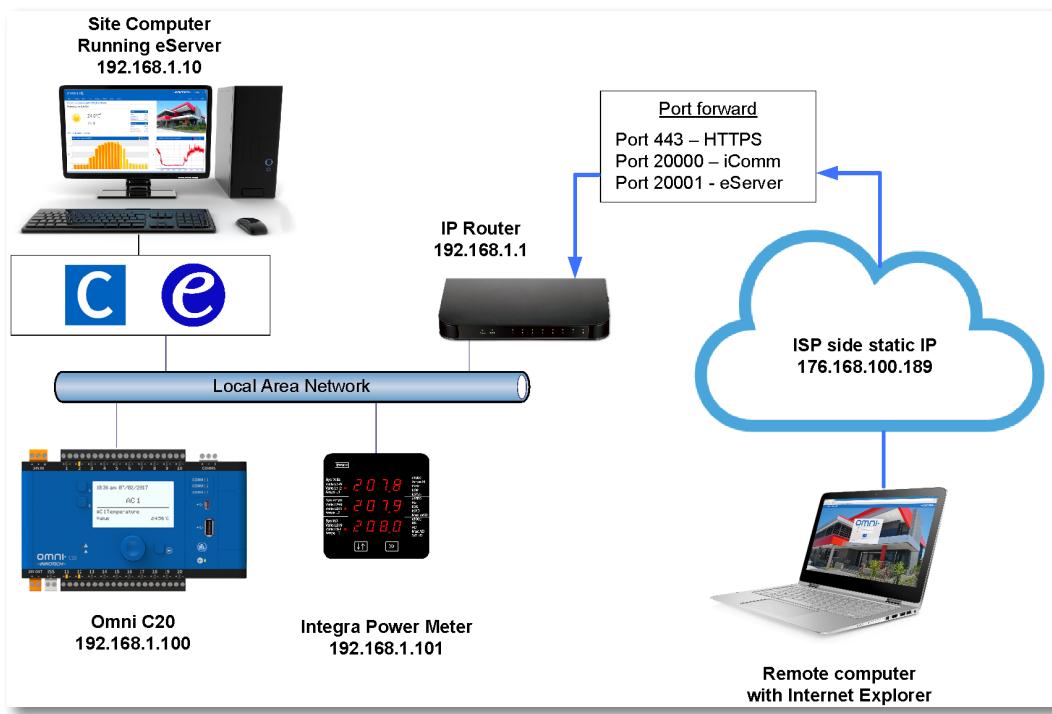
i This product includes software developed by the OpenSSL Project for use in the OpenSSL Toolkit. (<http://www.openssl.org/>)

Architecture

eServer runs continuously on a host PC and is always loaded with a single **Magellan** project created using **Magellan** Builder. **eServer** accepts connections from end users through a web browser via the **MagellanX** plug in. As the user navigates through the **Magellan** frames in the web-browser, **eServer** downloads the necessary sections of the project to the **MagellanX** plug in as required.



Sample eServer client connection window with three concurrent connections



Example eServer Network Topology



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by Mass Electronics Brisbane

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