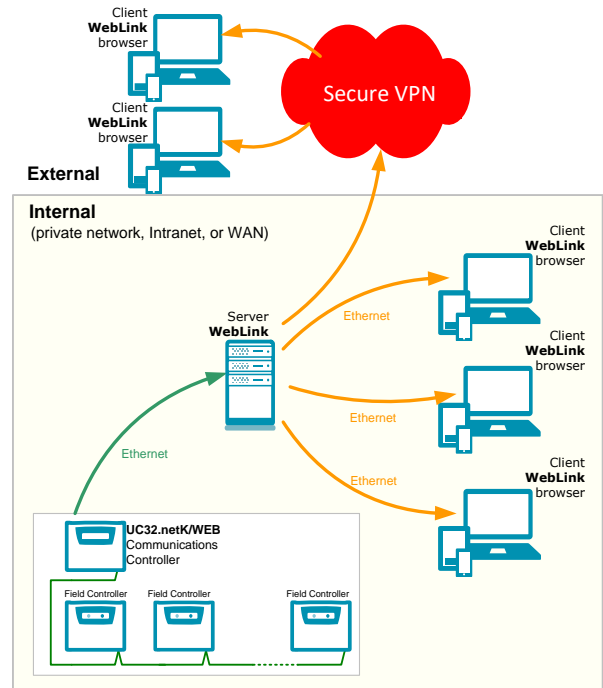


# Server WebLink

WebLink is an interface for Cylon's Unitron Building Management System that allows the BMS to be monitored and adjusted using a familiar web browser environment - over the internet, through a local intranet, or on a PC directly connected to Unitron controllers.

The main feature of WebLink (as opposed to the proprietary Unitron Command Centre interface) is that it does not require any special software to be installed on the end-user's PC. Once the WebLink server system has been set up for a Unitron BMS site, any PC with Internet Explorer web browser can connect via ethernet, modem, or internet (depending on security restrictions) and view or change points on the site.



## Web Supervisor

Unitron WebLink allows you to manage complex UnitronUC32 BMS sites through a standard Web browser. No additional software is required on client PCs. Full supervision functionality comes as standard - view point values, view and change setpoints, view logged data, manage time schedules etc.

## Full Alarm Management

With Unitron WebLink, it is easy to view and acknowledge alarm conditions on your UnitronUC32 BMS site. WebLink can also notify you of alarm conditions on an email account, a mobile phone (SMS), or pager device.

## Unlimited Number of Users and High Performance

Unitron WebLink is set up on a powerful Windows server to allow unlimited client access - so that both full Supervisory access and limited end user control can be implemented as required.

## Flexible Graphic Options

Unitron WebLink has access the full range of Web technology to ensure attractive and user-friendly user screens. Standard .jpeg and .gif graphic formats (including animated .gif), high-quality 24 bit colours, CSS stylesheets, and even Flash Animations can all be used.

## Full Compatibility

Unitron WebLink is compatible with all Unitron and UnitronUC32 controllers. You can share information from multiple Fieldbusses on multiple Communications controller types on a single page.



## FEATURES

### Supervising the System

The system can access all Communication Controllers via a single connection to the server.

The server can configure time scheduling for all Communication Controllers and their underlying field control devices.

The server can retrieve logged point data and alarm data if required.

The server can provide central alarm management for all Communication Controllers supported by the server including:

- Routing of alarms to display, printer, email and pagers
- View and acknowledge alarms
- Sort and filter alarm logs

The server provides central management of logged data for all Communication Controllers supported by the server including:

- Viewing and printing log data
- Displaying log data in text or graphical format

A single Server Weblink installation can be used to supervise up to 600 BMS sites.

### Security

User log-on identification and password supported.

Security is available using authentication and encryption techniques to prevent unauthorised access.

Depending on the access privileges assigned, the user can perform the following:

- Modify common application objects, such as schedules, calendars, and set points in a graphical or textual manner.
- start and stop binary objects by clicking the selected object and selecting the appropriate command from the pop-up menu.
- View logs and charts
- View and acknowledge alarms

### Browser Clients

Weblink is capable of supporting 1, 2, 3, or Unlimited clients using a standard Web browser.

- No additional software is required on the client machine.
- Real-time values displayed on a Web page can update automatically without requiring a manual “refresh” of the Web page.
- Storage of the graphical screens is in the Weblink server, without requiring any graphics to be stored on the client machine.
- Hyperlinks can be included to external HTML pages, Word Documents, or Adobe Acrobat PDF files - for example operating and maintenance manuals.



### Compatibility with Unitron Command Centre

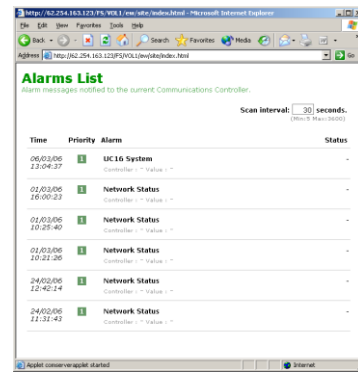
The Web browser can provide the same view of the system, in terms of graphics, schedules, calendars, logs, etc., and provide the same interface methodology as is provided by the Unitron Command Centre.

## Alarms

Unitron Weblink automatically monitors the operation of all workstations, network connections, building management panels, and controllers. The failure of any device is notified to the operator by an Alarm message.

The Weblink Alarm View notifies the operator of an alarm condition, and allows the operator to view details of the alarm and acknowledge the alarm.

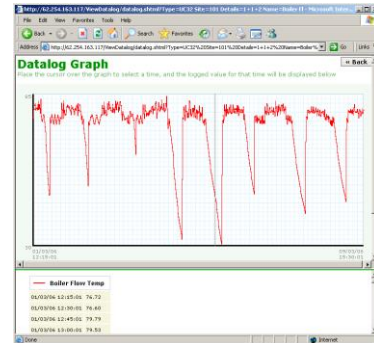
Alarms can be sent to email accounts, mobile phones (SMS) or pager devices if required.



## Datalog Display

Logged point data can be displayed in the web browser by Weblink in the following ways:

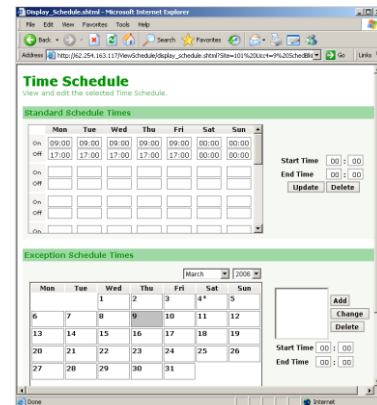
- Graphic display of datalog trends
  - Text display showing all recorded details for each logged value
- Max and Min values are also displayed.



## Scheduling

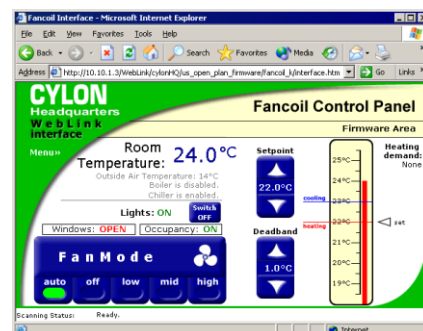
Events within the UnitronUC32 system can be triggered according to internal Time Schedules.

Weblink provides individual time zone control to configure UnitronUC32 scheduled events.



## Room control

Weblink is ideal for room control, so that a supervisor can adjust room conditions from any web-enabled device that has access to the server. In addition, different users can be allocated access to specific rooms, allowing distributed local supervision if required.



## Customisation

Auto-creation of Weblink pages directly from CCDraw means that HTML programming is **not required** to display system graphics or data on a Web page.

However, HTML editing of the Web page is possible if the user desires a specific look or format.

It is possible to limit a specific user to adjust their defined home page.

From the home page, links to other views, or pages in the system, are possible if allowed by the system administrator.

Graphic screens on the Web Browser client support hypertext links to other locations on the Internet or on Intranet sites.

**Note:** Appropriate security measures, such as VPN or firewall, must be used.

## Wireless Support

The system supports handheld Wi-Fi Web browser client running on a Pocket PC Personal Digital Assistant (PDA).

## COMMUNICATIONS

Local connections	Ethernet LAN
Remote connections	ADSL, ISDN, T1 or dial-up connection

## SYSTEM REQUIREMENTS

Server PC	3 GHz Pentium 4 PC or later 512 Mb RAM 20Gb hard drive Operating System Microsoft Windows 8 or Microsoft Windows 10.
Client PC	Internet Explorer v11 Java 8 with java.net.SocketPermission set to port 4950. (See CylonBulletin0360 for details)

## ABOUT UNITRONUC32

**Unitron WebLink** is part of the **UnitronUC32** range of products, which offers the following benefits:

### Unique Flexibility with UniPut™ I/O

The UnitronUC32 range uniquely presents UniPut I/O, a revolutionary answer to flexible point configuration, offering maximized utilisation of controller capacity along with flexibility in strategy changes. Built on a modern, web-based architecture, the UnitronUC32 range has a wide application scope with the flexibility of being stand-alone or network enabled. Easily customisable, the UnitronUC32 range has optional internal or external keypads for a powerful yet user-friendly interface, matched by extensive monitoring and logging capabilities.

### The right integration at the right level

Cylon provides easy integration between disparate building automation components utilising BACnet. The implementation leverages the flexibility and high performance of the Cylon fieldbus, and yet exposes all controllers as BACnet devices. The value to owners and specifiers of the BACnet suite of standards is at the Management and Automation Layers. TCP/IP is now pervasive and integration at this level removes the dependency on physical networks which evolve over time. Importantly, the BACnet routing is part of the Cylon communications controller and no separate PC gateway is required. This provides a highly robust yet low cost solution.

### Cost Effective, low entry point for building control.

The UnitronUC32 range offers reduced costs in terms of training, implementation, rollout and maintenance. Modular, extendible packages along with low installation costs mean a low entry point for building control. Advanced web based technology provides expanded facilities for maintenance personnel, while day to day access is offered via intuitive web pages. The future proof UnitronUC32 range provides forward & backward compatibility, meaning an effortless upgrade path for existing Unitron Systems.

### Highly programmable and extendable through web enabled HVAC technology

The UnitronUC32 range offers an advanced, web based, 32-bit architecture, with advanced programmability through the Cylon Engineering Centre. Inbuilt diagnostics along with expanded data logging and strategy storage is further enhanced by UniPut I/O, offering up to 8 Universal inputs, up to 8 UniPut connections (AI/DI/AO/DO) and up to 8 UniPut I/O with relays.