

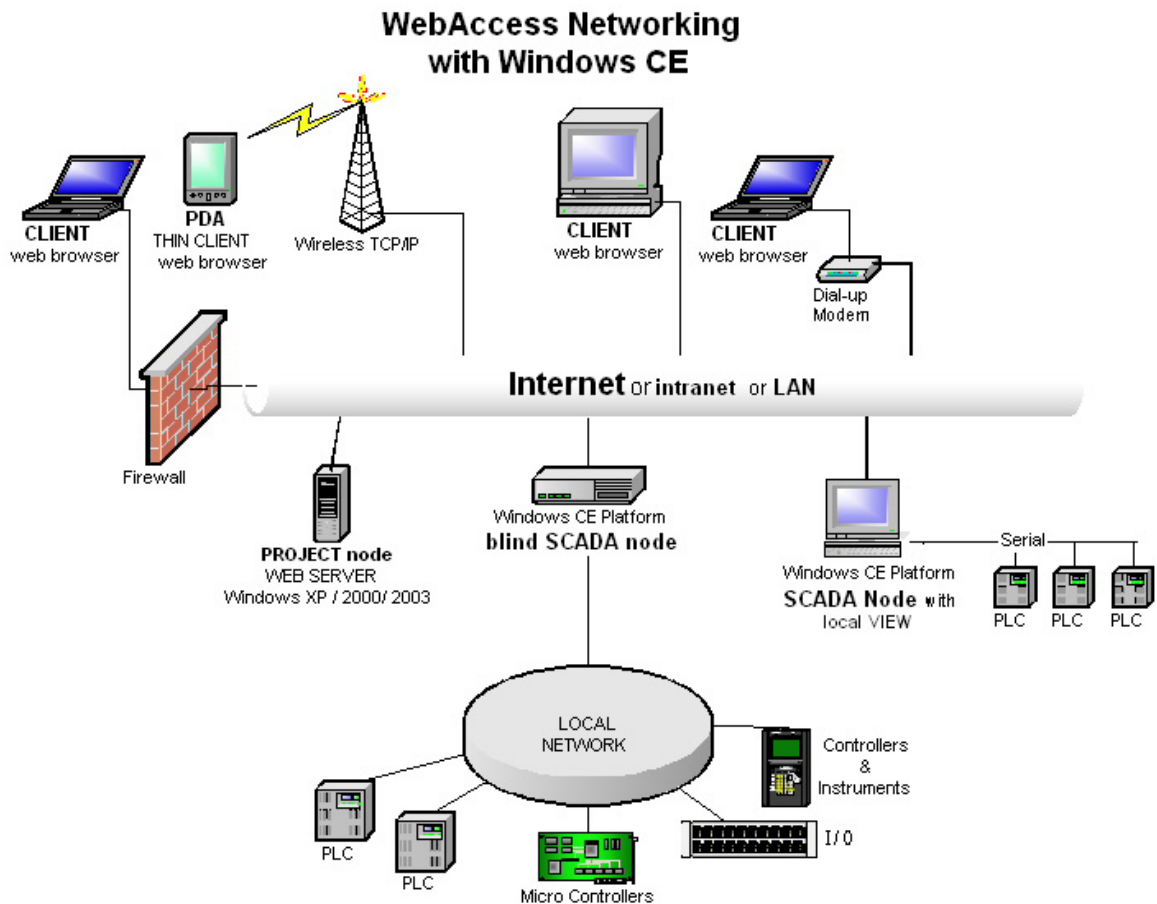
---

# 1. Windows CE

Broadwin WebAccess SCADA Node software will run on Microsoft Windows CE as a SCADA node with a local view or as a blind SCADA node. Both are viewable remotely using an ordinary web browser. The blind CE SCADA node can scan thousand of IO Tags due to lower overhead. The WebAccess CE SCADA node with local ViewDAQ supports almost all features of the WebAccess 2000 / XP product (except email, scheduled reports, scripts and video).

Combined with a Windows 32 VIEW client, more features are supported (local scripts and Video).

Versions of the WebAccess SCADA node software are supplied on Windows CE platforms by a variety of hardware manufacturers. These devices, the Microsoft Windows CE operating system, license and SCADA node software are supplied as a 'bundled package' from these hardware manufacturers.



---

## **1.1 Features of WebAccess supported by Windows CE include:**

The WebAccess SCADA node software has many of the features found in the Win32 version.

- Microsoft® Windows CE Embedded to use an Embedded device as a SCADA Node.
  - VIEW client allows remote user access to embedded system using an ordinary Web Browser from Windows 32 based PC (e.g. 2000, XP).
  - Thin Client allows remote user access to embedded system using an ordinary Web Browser from Windows 32 based PC (e.g. 2000, XP).
  - Remote engineering, database and graphics download to Embedded CE nodes using a web browser.
  - Local ViewDAQ.
  - Fast Development using pre-built database, dialog boxes and graphic templates.
  - Object Oriented Vector-based Graphics.
  - Fully animated graphics, with flashing color, motion, and pop-ups.
  - Overview, Faceplate Groups, Block Detail and Point Detail displays.
  - Local Point Info Dialog Boxes.
  - Local Alarming.
  - Local Alarm Log and Local Action Log.
  - Real-time and Historical Trending and Data Logging to local hard drive.
  - Recipes.
  - Scheduler.
  - Multi-Layer Security.
  - Fully Scaleable Web application with Management Tools.
  - Combine CE SCADA nodes with Windows 2000, XP and XP Embedded SCADA nodes in same system.
  - Fast Display and Communications performance.
  - Communication to most serial and TCP/IP based devices (contact your sales office for a list of Windows CE support device drivers).
  - Web browser based VIEW client.
-

- 
- Most Display Group functions

---

## 1.2 Features supported in Windows CE with a Project Node

The following features require that the WinCE SCADA node be part of a system with a Win 32 Project Node (e.g. Windows 2000, 2003 or XP). The following features are not supported by a standalone Windows CE SCADA node.

- Logging to ODBC databases is supported by Windows CE if it is part of a system with a Project Node running
  - Data Log to ODBC
  - Alarm Log to ODBC
  - Action Log to ODBC
  - Event Log
  - Scheduled Reports.

---

## 1.3 Features Not supported in Windows CE

- Centralized Logs on the Project Node and HTML Reports under the Tools menu of VIEW clients are not supported by Windows CE SCADA node in VIEW or ViewDAQ. The following are not supported by a connection to the WinCE SCADA Node:
  - Analog Data Log
  - Discrete Data Log
  - System Log,
  - System Alarm Log
  - System Action Log.
  - Event Log.

---

*Note – the above features can be accessed from a Win-32 SCADA node hat is part of the same project as the WinCE SCADA node.*

---

- Email of Scheduled Reports is not supported in CE.
  - Email Acknowledgement of Alarms in not supported in Windows CE.
-

---

*Note – A Win32 SCADA node can acknowledge Alarms on a CE node via email.*

---

- Global Scripts (tcl) are not supported in CE.
- Local Scripts in ViewDAQ are not supported in CE.

---

*Note- Local Scripts (screen scripts) are supported on a Windows 32 client connected to a WinCE SCADA node.*

---

- Alarm Voice (Text-to-Speech Alarm notification) is not supported in CE.
- Global Tags are not supported in Windows CE. The WinCE SCADA node cannot read the value of tags on other SCADA nodes (no peer-to-peer).
- Global Alarm list in the Local ViewDAQ or VIEW client is not supported in CE.

---

*Note – the WinCE Alarms will appear in a Win32 SCADA node or client connected to a Win32 SCADA node that is part of the project.*

---

- VIEW client running on the Windows CE node.

---

*Note – a Win32 VIEW client can connect to a WinCE SCADA node.*

---

- Pop-up Dependent Display Groups are not supported in Windows CE (ViewDAQ)
  - Most API-based communications drivers found in Win32 are not supported in Win CE (for example, RSLINX, Siemens Softnet S7).
-

---

## 1.4 Configuring a WinCE SCADA (Node Properties)

Your Windows CE SCADA node should be supplied from the manufacturer with the SCADA node software and license file installed.

To configure the SCADA node, you must connect to a Windows 32- based Project Node (e.g. XP or 2000) and use the web browser to configure the SCADA node properties and Tags in the Project Manager.

Configuring a Windows CE SCADA node is the same as any other node, except the following features should **not** be used:

- Outgoing Email (SMTP) Server - email is not support in Win CE.
- Email From - email is not support in Win CE
- Report Email To - email is not support in Win CE
- Report Email Cc - email is not support in Win CE
- Alarm Email To - email is not support in Win CE
- Alarm Email Cc - email is not support in Win CE
- Reply Alarm Email to Ack. No - email is not support in Win CE
- Global Script via Email No - email is not support in Win CE
- Global Script Security Code - email is not support in Win CE
- Incoming Email (POP3) Server - email is not support in Win CE
- Email Account Name - email is not support in Win CE
- Email Password - email is not support in Win CE
- Check Email Every 60 Seconds - email is not support in Win CE
- Alarm Voice - Text-to-Speech is not supported in CE.
- Video is not supported in CE.
- Reports are not supported in CE (i.e. No Scheduled Reports).

---

*Warning - The current version of WebAccess (4.0-2004.06.22) will allow you to enable these features. Some of these will prevent the Windows CE SCADA node from starting.*

---

Node Property		Delete	Add Comport	AccPoint	CalcPoint	ConstPoint	SysPoint	FacePlate	RealTimeTrend	DataLogTrend	AlarmGroup
<a href="#">Recipe</a> <a href="#">Video</a> <a href="#">GlobalScript</a> <a href="#">UserProgram</a> <a href="#">DataTransfer</a> <a href="#">Excel-In</a> <a href="#">Excel-Out</a> <a href="#">Report</a> <a href="#">Scheduler</a> <a href="#">PLC-Scheduler</a> <a href="#">Event Log</a> <a href="#">KeyMapping</a>											
<a href="#">Start View</a> <a href="#">Start Draw</a> <a href="#">Download</a> <a href="#">Graph only</a> <a href="#">Start Node</a> <a href="#">Stop Node</a>											
<b>Node : LiveDEMO • WinCEscadaNode</b>											
Node Name	WinCEscadaNode										
Node Description	Windows CE node										
SCADA Node IP Address	67.94.27.64										
Primary TCP Port	0	Secondary TCP Port	0								
Node time out	0										
Remote Access Code											
Outgoing Email (SMTP) Server	67.94.27.175									Email Port	0
Email From											
Report Email To											
Report Email Cc											
Alarm Email To											
Alarm Email Cc											
Reply Alarm Email to Ack	No										
Global Script via Email	No										
Global Script Security Code											
Incoming Email (POP3) Server										Email Port	0
Email Account Name											
Email Password											
Check Email Every	60 Seconds										
Alarm Voice											
Alarm Log	To ODBC : No	To Printer : Disable	To File : Yes								
Minimal Alarm Log Priority	To ODBC : 0	To Printer : 0	To File : 0								
Action Log	To ODBC : No	To Printer : Disable	To File : Yes								

**Project / Node**

- LiveDEMO
  - SCADANode1
  - SCADANode2
  - SCADANode3
  - WinCEscadaNode
    - Port5 (tcpip)
    - ModPLC175
  - AnalogIn
  - Blender
  - Calc Point

**Device Type**

- ABPLC5
- ABSLC5
- AccFAM3
- ADAM5K
- ADAM5KE
- ADAM6K
- ADMIO
- AE6000
- AXLNFMB
- BW\_UPS
- BwSNMP
- DoPaWWM21
- FestoFC
- GE9030
- GE9070
- I7000
- ILON100
- LanStar
- LGMST

---

## 1.5 Hardware Manufacturer Guide and Demo evaluation – Windows CE

The Hardware manufacturer needs to supply all the Windows CE components required, including:

- Windows CE 4.1 .NET (or later)
- Microsoft Foundation Class Library to support EXE and DLL applications
  - MFC EXE
  - MFC DLL
- TCP/IP communications and supporting services
- IP and supporting services
- Windows Networking and supporting communication services
- RPC (Remote Procedure Call) service
- Remote Display Application for Remote Desktop is recommended (not required).
- WordPad is recommended (not required).

Not all Windows CE platforms support WebAccess SCADA node software. Testing should be performed by the hardware vendor to ensure appropriate components are installed.

The WebAccess SCADA node software program files for Windows CE are generally supplied as an archive file (for example a Zip file). There is no Setup.exe or other installation program.

There is no WinZip for CE. The supplied win\_x86rel.zip should be unzipped on a shared resource or other Windows 32 PC (e.g. XP or 2003).

The WebAccess SCADA node program files should be copied to the hard drive of the WinCE platform. This can be done via a shared resource (e.g. network drive) or Remote Desktop, available optionally in Windows CE.

The preferred folder is \WebAccess\Node for the location of the WebAccess SCADA node software.

The 'Data Log Folder' can be specified in SCADA Node properties (in the Project Manager) to allow data log Trend files to be located on the Hard Drive or flash memory.

---

*Note -If using flash memory, all files will be erased if the CE node is restarted. Do NOT install the WebAccess SCADA node program files to flash memory.*

---

---

WordPad is recommend to allow the 'Remote Access Code', 'TCP Ports', web server path, address mapping and other features to be edited manually in the bwserver.ini and other INI files from the CE device. This is optional.

The Remote Display service is recommended to allow remote connection via the Remote Desktop of a Windows 32 PC to edit files or troubleshoot the Win CE device. This is optional.

### **1.5.1 Demo License – Win CE**

A demo license is supplied in the SCADA Node program files for Windows CE (win\_x86rel.zip). This will allow the WinCE SCADA node to run for 1 hour.

The Project Node software (configuration tool) does not require a license. The Project Node software runs on a Windows 32 only (e.g. Windows 2000 Professional or Server, Windows 2003 Server or Windows XP Professional)