

WebAccess/CNC

CNC Machine Networking Solution

WebAccess/CNC



Features

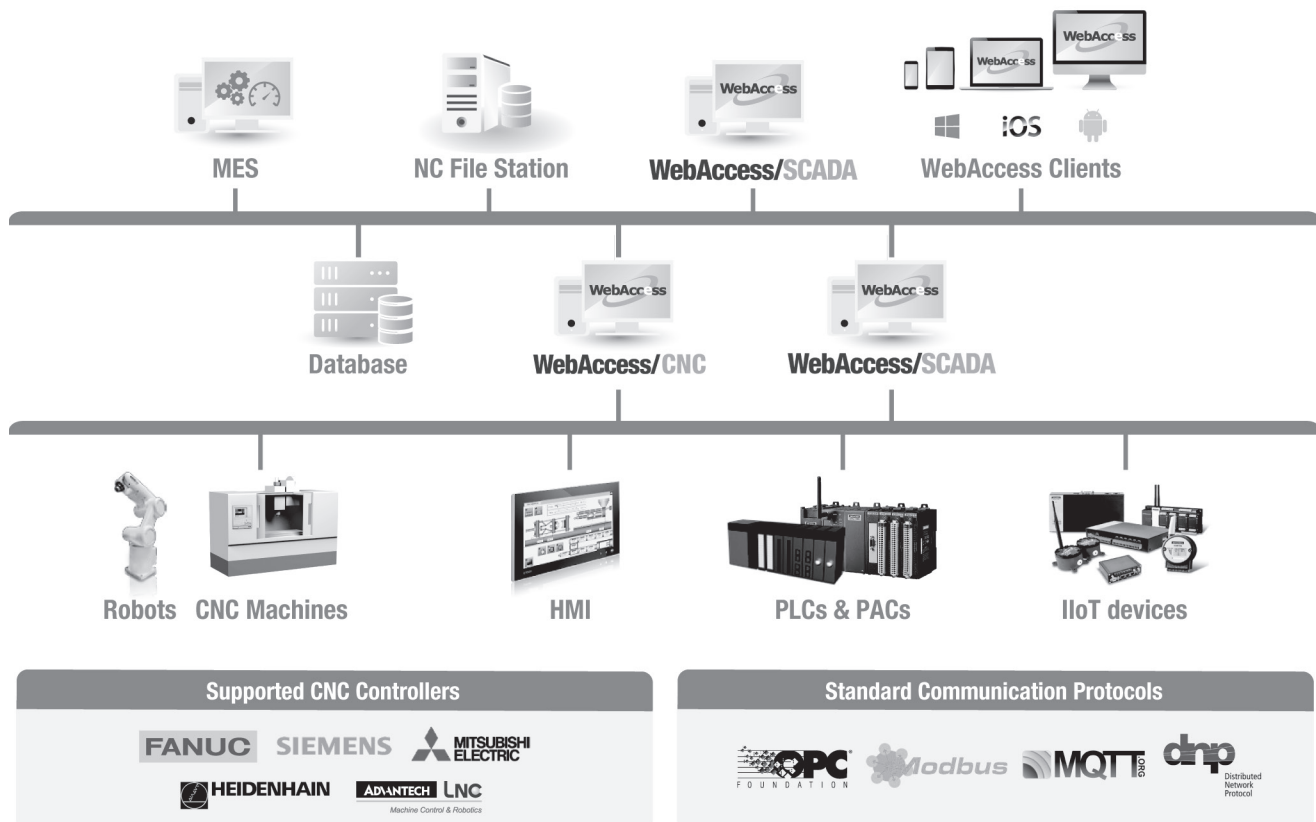
- Automatically generates CNC projects for WebAccess/SCADA software
- Supports CNC machine and I/O device monitoring
- Supports leading CNC network controllers
- Provides CNC machining status and PLC register monitoring
- Provides CNC availability queries and NC file transfer function
- Provides historical CNC alarm and operation queries
- Supports all features and full functions of WebAccess/SCADA software

Introduction

Advantech WebAccess/CNC is a core software solution for networking CNC machines. Leveraging the 100% web-based architecture of the WebAccess/SCADA platform, WebAccess/CNC provides not only crucial CNC networking functions, but also the benefits of SCADA software for CNC machining. With the inclusion of I/O device monitoring capabilities, WebAccess/CNC enables CNC information management and status visualization.

Internet Explorer can be used to browse SCADA web pages and monitor/capture real-time CNC and production status data to improve efficiency and analyze device availability. Designed specifically for the machine tool market, WebAccess/CNC is integrated with numerous SCADA drivers and can support a wide range of CNC, I/O, and PLC devices to facilitate equipment data collection and industrial networking application development.

Software Architecture



Software Specification

Supported CNC Controllers

- **FANUC** Oi-A/B/C/D/F, 16i, 18i, 21i, 31i, 32i (FOCAS library requirement)
- **MITSUBISHI** M700/M70, M800/M80 series (Please install the Mitsubishi communication middleware EZSocket in advance. Contact your agent or Mitsubishi Electric to purchase a software license.)
- **HEIDENHAIN** iTNC530 (DNC option requirement)
(The number of connections to Heidenhain is limited to 16 for each WebAccess/CNC runtime instance)
- **SIEMENS** 840D, 828D (OPC/UA license requirement)
- **Advantech LNC** M/T 2800/2900/5800/6800/6900/7900

Advantech LNC controller connections are charged according to the number of I/O tags. WebAccess/CNC software functions are consistent with those in WebAccess/SCADA Professional.

Ordering Information

- **WA-CNC-U005E** 75 I/O tags, 5 CNC machine connections
- **WA-CNC-U010E** 75 I/O tags, 10 CNC machine connections
- **WA-CNC-U020E** 75 I/O tags, 20 CNC machine connections
- **WA-CNC-X005E** No I/O tags, 5 CNC machine connections (upgrade)
- **WA-CNC-X010E** No I/O tags, 10 CNC machine connections (upgrade)

I/O Tag Upgrades

- **WA-X82-U075E** 75 tags (upgrade)
- **WA-X82-U300E** 300 tags (upgrade)
- **WA-X82-U600E** 600 tags (upgrade)
- **WA-X82-U15HE** 1,500 tags (upgrade)
- **WA-X82-U50HE** 5,000 tags (upgrade)

Minimum Requirement

SCADA Software

- Advantech WebAccess V8.2 Professional or later

Project Node\SCADA Node

- **Operating System** Windows 7 SP1 Professional
Windows 8.1 Professional
Windows Server 2008R2 or later
.NET Framework 3.5 for WebAccess/CNC runtime
.NET Framework 4.5 or later version
IIS 7.5
- **Hardware** Recommended: Intel Atom® or Celeron® Dual-Core processor
4 GB RAM
200 GB disk space
- **USB** USB port for License Hardkey on SCADA node
- **Browser Resolution** 1280 x 720 to 1920 x 1080
- **Browser Support** IE Explore 11 or later
Others only support dashboard function:
Chrome: Version 37 or later
Firefox: Version 31 or later
Safari: Version 7 or later