WebAccess/CNC

CNC Machine Networking Solution

WebAccess/CNC



Features

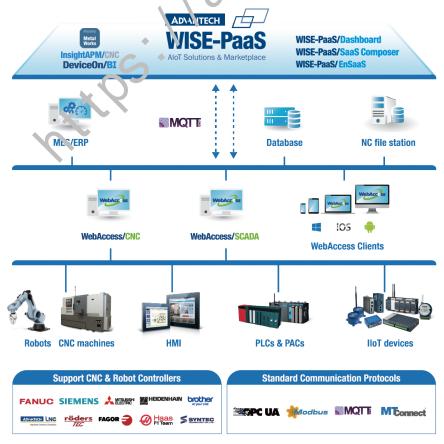
- Automatically generates CNC projects for WebAccess/SCADA software
- Supports CNC, robot and I/O device monitoring
- Supports most CNC communication protocol
- Provides CNC information and parameter monitoring
- Provides CNC status for utilization calucation and NC file transfer function
- Supports all features and full functions of WebAccess/SCADA software
- Supports UTE (utilization rate) and OEE (overall equipment effectiveness) by using WA-UTEOEE option.

Introduction

Advantech WebAccess/CNC is a core software solution for networking CNC and robot. Leveraging the 100% core baced architecture of the WebAccess/SCADA platform, WebAccess/CNC provides not only crucial CNC networking functions, but also the benefits of SCADA soft and or UNC 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 an pr. Juction status data to improve efficiency and analyze device availability. Designed specifically for the machine tool market, WebAccess/CNC is integrated with numerous SC, DA 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



WebAccess/CNC

WebAccess APP **Software Specification** Yes Yes, conforms to 21 CFR Part 11 **Electronic Signature** Scheduler Yes WebAccess/CNC has two types of license key Receipt Yes Standard license (through CNC runtime) . Economical license (using a CNC driver) **Ordering Information** The standard license key supports four CNC types including FANUC, MITSUBISHI, SIEMENS and HEIDENHAIN. The economical license supports MTConncet protocol, various CNC drivers as FANUC MITSUBISHI, SIEMENS, HEIDENHAIN, brother, OKUMA, Haas, FAGOR, Roders, SYNTEC, LNC, **HEIDENHAIN and SIEMENS)** HNC, KND and robot drivers as FANUC, KUKA. WA-CNC-U001E Supported CNC Controllers Professional 75 tags WebAccess/CNC runtime 5 CNC connections and WA-CNC-U005E Standard License (CNC runtime) WebAccess Professional 75 tags FANUC 0i-A/B/C/D/F, 16i, 18i, 21i, 31i, 32i (FOCAS library is WA-CNC-U010E required) WebAccess Professional 75 tags M700/M70, M800/M80 series MITSUBISHI WA-CNC-X005E WebAccess/CNC runtime 5 CNC connections upgrade iTNC530, TNC640 (DNC option is required) 840Dsl & 828D (OPC UA license is required) HFIDENHAIN Each computer is allowed to connect up to 10 CNC controllers. SIEMENS Economical License (CNC driver) FANUC (TCPIP) 0i-A/B/C/D/F, 16i, 18i, 21i, 31i, 32i (FOCAS library is required) FANUC (RS232) 15, 16/18/20/21, mate D/F/H, 16i/18i/21i, mate i, 15i, 0i, 10, 10/10/20/21, 11/11/20/21, 10/10/21, 11/11/21, 10/10/ drivers as FANUC, KUKA LNC WA-BRO-U001E WebAccess/CNC driver 1 CNC connection and WebAccess brother Professional 75 tags WA-BRO-U005E S1000X1/S500Z1/S700Z1 Professional 75 tags M140X1/M140X2 WA-BRO-U07 JE R450X1/R650X1/R450Z1 Professional 75 tags Support controllers with software (V10.116.36 or later) and CloudAgent (SYNTEC OPC UA server) SYNTEC ■ WA-BRO-U. 50L Professional 75 tags (V2.10.0 or later) W/ -BF .2-X001E WebAccess/CNC driver 1 CNC connection upgrade RS232 & TCPIP connection (NGC) Haas VA-F R0 ,005E WebAccess/CNC driver 5 CNC connections upgrade 806X & 807X series FAGOR W 1-Bild-X025E WebAccess/CNC driver 25 CNC connections upgrade RMS6-ERP Roders * Each computer is allowed to connect up to 100 CNC or robot controllers. OSP-P200/P200A/P300 for Mill & Lathe type (OSP-API license is required) 840DsI, 840D, 810D & 828D (S7/TCP) 840DsI & 828D (OPC UA license is required) OKUMA SIEMENS I/O Tag Upgrades M700/M70, M800/M80 series (FCSB1224W100 run. me WA-X84-P075E MITSUBISHI 75 tags upgrade WA-X84-P300E library is required) 300 tags upgrade HNC 8 series (HNC ServerWindow adapter is required) HNC WA-X84-P600E 600 tags upgrade KND CNC (using REST API) iTNC530, TNC640 (using LSV2) Support MTConnect protocol KND WA-X84-P15HE 1,500 tags upgrade HEIDENHAIN WA-X84-P50HE 5,000 tags upgrade MTConnect ٠ **Option Upgrade** Supported Robot Controllers (CNC driver) WA-UTEOEE FANUC ROBOT LR Mate 200iD, M-10iA, M-'0iA, 1-710iC, R-2000iC, M-900iB, M-2000iA, '410iC, 'Jai controller R-J3iB 7D80/45 or later, R-J3iB > 081/05, or later, R-J3iB 7D80/45 or later, R-J3iB > 081/05, or later, R-J3iB 7D80/45 or later, R-J3iB > 081/05, or later, R-J3iB / 081/05, or later, R-J3 WebAccess UTE/OEE option upgrade **Minimum Requirement SCADA Software** Advantech WebAccess V8.4.4 Professional or later selected, no option is needed. KUKA.DeviceConnector 2.1 (OPU UA protocol is required) KUKA ROBOT Project Node\SCADA Node **Open Connectivity** Windows 7 SP1 Professional Operating System OPC DA/UA Server/Client Yes Windows 8.1 Professional **Modbus Server** Yes **BACnet Server** Yes DDE Server Yes **Open Interface** Windows API Yes Hardwa **RESTful API** Yes SignalR Yes USB • Brower Web-enabled Integration Browse Video Yes **Google Maps and GPS** Yes Dashboa Location Tracking Hardwa Report Web-Based Report Yes **Excel Report** Yes Browse Send Email by PDF or Excel Yes Firefox: Version 31 **Others**

Database

- Script Language
- Supports IPv6
- SQL Server/Oracle/MySQL/PostgreSQL/ Microsoft Access TclScript/VBScript/JScript (can be encrypted) Yes

Standard License Key (CNC runtime for FANUC, MITSUBISHI,

- WebAccess/CNC runtime 1 CNC connection and WebAccess

 - WebAccess/CNC runtime 10 CNC connections and

Economical License Key (MTCorrect protocol and CNC drivers as FANUC, MITSUBISHI, SIEMENS, KEIDENHAIN, brother, OKUMA, Haas, FAGOR, Roders, SYNE EC, LNC, HNC, KND, and robot

- WebAccess/CNC driver 5 CNC connections and WebAccess WebAccess/CNC driver 25 CNC connections and WebAccess WebAccess/CNC driver 50 CNC connections and WebAccess

The connection tags of CNC runtime and driver are not counted in the license tags calculation

	Windows Server 2008B2 or later
	Windows 10 (not support Home or Home Premium) .NET Framework 3.5 for WebAccess/CNC runtime
	.NET Framework 4.5 or later version
are	Recommended: Intel [®] Core™ i3 with 4 GB RAM and 200 GB disk space
r Resolution er Support	USB port for license hardkey on SCADA node 1280 x 720 to 1920 x 1080 IE Explorer 11 or later
ard Viewer	
are	PC: Intel [®] Core™ i3 with 4 GB RAM iPhone: iPhone 5 Android: 1.5 GHz quad-core with 2 GB RAM Windows Phone: 1.5 GHz quad-core with 2 GB RAM
er	Internet Explorer: IE 11 Chrome: Version 37 Eirefer: Version 31

WebAccess APP

Platform Environment iOS 9 and Android 4.4

Safari: Version 7