

# WA-UN02178

Intel® Atom™ D510 Compact SCADA Server with 600/5,000 Tags WebAccess

NEW



## Features

- Bundled with Advantech WebAccess, browser based HMI/SCADA software
- Onboard Intel Atom D510 processors
- 2 x 10/100/1000Base-T RJ-45 ports, 6 x USB 2.0 ports
- Built-in Windows® 7 Embedded
- Onboard system status LED indicators
- Front-accessible CF slot
- Supports Boot from LAN function
- 2 x Mini PCIe slots with 1 x SIM slot support
- Fanless design with no internal cabling
- Isolation between chassis and power ground
- Supports wide operating temperatures from - 10 ~ 70°C
- IP40 ingress protection
- Supports plug-in cards (1 x PCI-104 and 1 x PC/104+) with additional daughterboard expansion
- Supports 8 x COM ports
- Supports arbitrary baud rates

## Introduction

Advantech WA-UN02178 is a plug and play compact SCADA server. It is built on Advantech solid UNO platform with pre-installed WebAccess SCADA software and pre-configured Windows 7 Embedded and IIS environment. Just plug in the power and network cable, the web enabled browser-based server is ready for user to start configuring his SCADA system from his computer. This compact server enables users to view real-time graphics, alarms, trending and logs, and control the field devices via a web browser remotely on his desktop or notebook computer. This compact SCADA server is powered by 1.66 GHz Intel® Atom™ D510 processor. It provides excellent computing power and balanced with Energy Star certified low power consumption. It also equipped with dual Gigabit LAN ports, 6 USB 2.0 ports and 2 mini PCIe slots for WLAN cards and 1 SIM card slot. The fan-less design, spindle-free storage, wide operating temperature environment and IP40 ingress protection make this SCADA server a durable and reliable platform.

## WebAccess Professional Version

- **I/O Tag Number** 600/5000
- **Internal Tag Number** 600/5000
- **Web Client** 1024
- **Alarm Logs** 5000
- **Action Logs** 5000
- **Graphics** Unlimited Number of Graphic Pages, Global Tag Source
- **Number of data logging** Number of I/O Tags License x 2
- **Integration**
- **Others** SCADA Redundancy  
TelScript / VBScript / Jscript Language  
Data Transfer and Reporting  
ODBC and SQL Query  
Device Redundancy

## Specifications

### General

- **Operating System** Windows 7 Embedded
- **Certification** Energy Star, CE, FCC Class A, UL, CCC, C-Tick Class A, BSMI
- **Dimensions (W x D x H)** 255 x 152 x 59 mm (10" x 6.0" x 2.3")
- **Enclosure** Aluminum +SECC
- **Mounting** DIN-rail, Wallmount, VESA
- **Industrial Grounding** Isolation between chassis and power ground
- **Power Consumption** 16 W (Typical)
- **Power Requirements** 9 ~ 36 V<sub>DC</sub> (e.g. +24 V @ 1.5 A) (Min. 36 W), ATX
- **System Design** Fanless design with no internal cabling

### System Hardware

- **CPU** Intel Atom D510 Dual Core 1.66 GHz
- **Memory** 2 GB DDR2 SDRAM built-in
- **Indicators** LEDs for Power, CF, LAN (Active, Status), Serial (Tx, Rx)
- **Keyboard/Mouse** 1 x PS/2
- **Storage** 2.5" SATA, 1TB 5400RPM
- **Display** DB15 VGA connector up to 2048 x 1536
- **Watchdog Timer** 1~255 sec (System)

### I/O Interface

- **Serial Ports** 2 x RS-232/485 (COM1-2), 2 x RS-232/422/485 w/ 128kB FIFO (COM A-B), 4 x RS-232/485 from DB25 print port (COM3-6)
- **LAN** 2 x 10/100/1000Base-T RJ-45 ports (Built-in boot ROM in flash BIOS)
- **USB Ports** 6 x USB 2.0

## Ordering Information

- **WA-UN02178-T600E** Automation Computer, 600 tags WebAccess with Traditional Chinese
- **WA-UN02178-T50HE** Automation Computer, 5,000 tags WebAccess with Traditional Chinese
- **WA-UN02178-C600E** Automation Computer, 600 tags WebAccess with Simplified Chinese
- **WA-UN02178-C50HE** Automation Computer, 5,000 tags WebAccess with Simplified Chinese
- **WA-UN02178-E600E** Automation Computer, 600 tags WebAccess with English
- **WA-UN02178-E50HE** Automation Computer, 5,000 tags WebAccess with English