WebOP-2100T 10.1" WSVGA Operator Panel with WebAccess/HMI

WebAccess/HMI





Features

- Includes ARM 9-based CPUs 200 MHz and 128 MB flash memory
- Includes RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through serial, Ethernet, USB interface
- Supports brightness controls via touch panel
- Reliable firmware for 24/7 operation
- Supports WebAccess/HMI Designer development tool on Windows XP/Vista/7
- Easy to run one application on any screen size
- Supports vertical and horizontal application screen rotation
- Supports over 450 PLC industrial communication protocols
- Communicates with up to four types of devices
- Easily installed with panel mounting design
- Front panel with IP66 protection

Introduction

To fulfill the stringent standards required in automation market especially in packaging, label slitting, and robot dispensing, Advantech offers the WebOP-2000T series for applications related to PLCs operation, motion/thermal controllers, inverters and sensors. It's designed with various LCD sizes from 4.3" to 10.1, ARM 9-based RISC CPU's, 128 MB flash memory and HMI application software. The WebOP-2000T series is bundled with WebAccess/HMI: a powerful software which is able to create HMI application solutions for labor-saving, manufacturing efficiency improved and visualized operation on every machine in factory.

Specifications

General

Certification CE, BSMI, CCC, UL, FCC Class A

Dimensions (WxHxD) 269.8 x 212 x 37.4mm (10.62" x 8.35" x1.47")

 Cut-out Dimensions 259.5 x 201.5 mm (10.22" x 7.93")

Front Panel Thickness

 Operating System HMI RTOS, WebOP Designer

Power Supply Voltage 24V_{DC} ±10% Power Consumption 10W **Enclosure Housing** Plastic Mounting Panel

Weight (Net) 1.2 kg (2.64 lbs)

System Hardware

CPU RISC 32bits, 200MHz

Battery Backup Memory 128KB

Flash Memory 8MB/8MB + 128M NAND flash

Power-On LED Communication LED No Front USB Access Nο

Communication Interface

- COM1 RS-232/422/485 (DB9 Female) - COM2 RS-422/485 (5-Pin Plug Connector)

- COM3 RS-232 (Com1: Pin5;7;8) • Ethernet (RJ45) 10/100-BaseT (for N2AE model)

USB Client Yes **USB Host**

Yes (for N2AE model) Micro-SD Slot

LCD Display and Touchscreen

Display Type WSVGA TFT LCD

Display Size 10.1" Max. Resolution 1024 x 600 Max Colors 65,536 colors

- Luminance (cd/m²) 250

Backlight Life LED, 20,000 hrs Dimming Adjustable by touch panel Touchscreen 4 wires analog resistive

Environment

• Operating Temperature $0 \sim 50^{\circ}\text{C}$ (32 ~ 122°F) Storage Temperature -20 ~ 60°C (-4 ~ 140°F)

10 ~ 90% RH @ 40°C, non-condensing Humidity

Ingress Protection Front panel: IP66

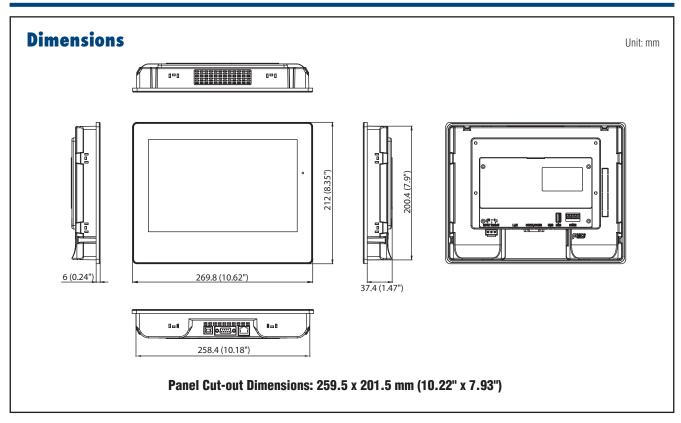
 Vibration Protection Operating, radom vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

WOP-2100T-S2AE 10.1" WSVGA, 64MB (SDRAM), 8MB (NOR) WOP-2100T-N2AE 10.1" WSVGA, 64MB (SDRAM), 8MB (NOR) &

128MB (NAND)

I/0s



Optional Accessories

■ **PWR-247-CE** 100-240V 60W 24V 2.5A Power Supply

1702002600 Power Cable US Plug 1.8 M
 1702002605 Power Cable EU Plug 1.8 M
 1702031801 Power Cable UK Plug 1.8 M

• **1700000596** Power Cable China/Australia Plug 1.8 M

Power Input USB Client COM1 (RS-232/422/485)

Communication Links

1-to-1 Connection RS-232 PLC

Direct Link

