# WebOP-2100T 10.1 WSVGA Operator Panel with WebOP Designer Software

## **Designer Software**





#### **Features**

- Various LCD sizes (4.3", 5.6", 7", 8", 10.1")
- Supports ARM9-based CPUs with 200MHz and 128MB flash memory
- Supports RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through Serial, Ethernet, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- Supports Windows XP/7/Vista-based WebOP Designer development tool
- Easy to switch one application to different LCD sizes in seconds
- Supports vertical and horizontal application screen rotation
- Supports over 400 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery
- Front panel is IP66 compliant

## Introduction

To satisfy the stringent standards required in the automation market, especially packaging, label slitting, and motion-based robot dispensing, Advantech offers the WebOP-2000T series with 200MHz ARM9-based RISC CPU's and 128MB flash memory for application software. The WebOP-2000T series also support a variety of LCD sizes from 4.3" to 10.1" for different applications involving the use of PLCs, motion/thermal controllers, inverters and sensors. The WebOP-2000T series is bundled with WebOP Designer: a software development kit which helps create application solutions for labor-saving, improved efficiency of manufacturing and easy control of every machine in the factory. WebOP Designer offers an outstanding price performance ratio for various markets such as conventional operator panels, HMI + Low mini SCADA systems, and HMI + communication gateways.

## **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 6mm

HMI RTOS, WebOP Designer Operating System

■ Power Supply Voltage 24V<sub>DC</sub> ±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 Yes Communication LED Nο Front USB Access No

#### **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

Micro-SD Slot Yes (for N2AE model)

#### **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 wire analog resistive

#### **Environment**

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

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

 Ingress Protection Front panel: IP66

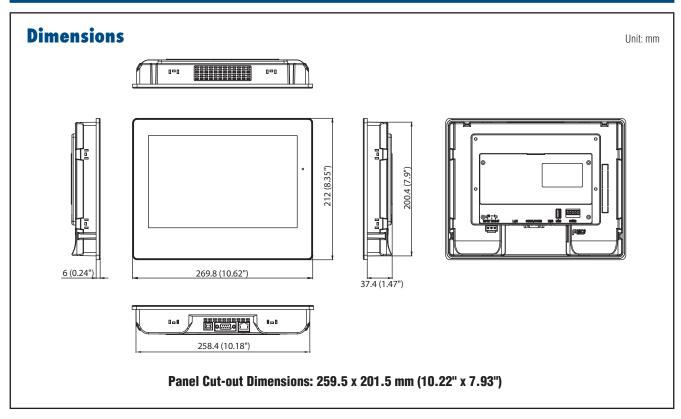
 Vibration Protection Operating, radom vibration 1 Grms (5 ~ 500 Hz)

## **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/Os



### Accessories

■ CWOP-P2HFM-AD12E PC to HMI program download cable, DB9/2m CWOP-P2HAB-ADU2E PC to HMI program download cable, USB/2m

■ PWR-247-BE 63W DC 24V/2.62A Output 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

## **Rear View USB** Host COM2 (RS-422/485) Ethernet USB Client Micro SD Slot Power Input COM1 (RS-232/422/485)

### **Communication Links**



