# **WebOP-2080T**

## 8" SVGA Operator Panel with **WebOP Designer Software**









#### **Features**

- Various LCD sizes (4.3" to 15")
- 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/ 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 300 PLC industrial communication protocols
- Communicates with up to four types of devices
- · Panel mounting for machinery
- Front panel is NEMA4/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 15" 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

Certifications CE, BSMI, CCC, UL, FCC Class A Dimensions (WxHxD) 231.5 x 174.6 x 37 mm (9.11" x 6.87" x 1.46")

Cut-out Dimensions 221 x 164 mm (8.70" x 6.46")

• Front Panel Thickness 6 mm

 Operating System HMI RTOS, WebOP Designer

■ Power Supply Voltage 24V<sub>DC</sub> ±10% Power Consumption 10W Enclosure Housing Plastic Mounting Panel

0.93 kg (2.05 lbs) Weight (Net)

#### **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) I/Os **USB Client** 

**USB Host** 

Micro-SD Slot Yes (for N2AE model)

#### **LCD Display and Touchscreen**

SVGA TFT LCD Display Type

Display Size Max. Resolution 800 x 600 Max. Colors 65,536 colors

Luminance (cd/m²)

**Backlight Life** LED, 30,000 hrs Dimming Adjustable by touch panel Touchscreen 4 wire analog resistive

#### **Environment**

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

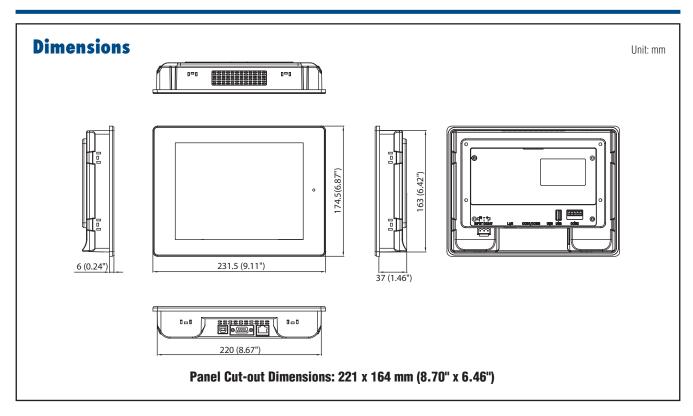
10 ~ 90% RH @ 40°C, non-condensing Humidity

 Ingress Protection Front panel: NEMA4, IP66

# **Ordering Information**

WOP-2080T-S2AE 8" SVGA, 64MB (SDRAM), 8MB (NOR) WOP-2080T-N2AE 8" SVGA, 64MB (SDRAM), 8MB (NOR) &

128MB (NAND)

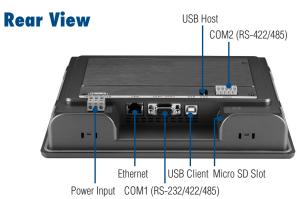


## **Accessories**

• CWOP-P2HFM-AD12E PC to HMI program download cable, DB9/2m CWOP-P2HAB-ADU2E PC to HMI program download cable, USB/2m PWR-247-AE 24 V 50 W AC-DC Power Adapter

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

**1702031836** Power Cable China/Australia Plug 1.8 M



## **Communication Links**

