WebOP-2040T 4.3" WQVGA Operator Panel Installed with WebAccess/HMI Software



Features

- ARM9™ 32-bit, 200 MHz RISC processor with 128 MB flash memory
- Includes a RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through serial, Ethernet, and USB interfaces
- Supports brightness controls via touch panel
- Reliable firmware for 24/7 operation
- Supports the WebAccess/HMI Designer development tool on Windows XP/
- Easy to run applications on screens of any screen
- Supports operation in both landscape and portrait mode
- Supports over 450 PLC industrial communication protocols
- Can communicate with up to four device types
- Panel mount design ensures easy installation
- IP66-rated front panel



Introduction

To fulfill the stringent standards of the automation market, especially for packaging, label slitting, and robot dispensing applications, Advantech developed the WebOP-2000T series for diverse operations that involve PLCs, motion/thermal controllers, inverters, and sensors. Powered by an ARM9TM 32-bit, 200 MHz RISC processor with 128 MB flash memory, the WebOP-2000T series systems are available with LCDs of varying size (from 4.3 to 10.1"). Additionally, WebOP-2000T systems are bundled with Advantech's WebAccess/HMI software – a web browser-based human-machine interface designed for HMI applications to reduce labor and improve manufacturing efficiency through visualization.

Specifications

General

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

Dimensions (W x H x D) 130 x 106.2 x 36.4 mm (5.11 x 4.18 x 1.43 in)

 Cutout Dimensions 118.5 x 92.5 mm (4.66 x 3.64 in)

• Front Panel Thickness 5 mm (0.19 in)

 Operating System HMI RTOS, WebOP Designer

 Power Supply Voltage 24V_{DC} ±10% Power Consumption 5W **Enclosure Housing** Plastic Mount Options Panel

Weight (Net) 0.3 kg (0.66 lbs)

System Hardware

CPU ARM9™ 32-bit, 200 MHz RISC processor

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: Pin 5, 7, 8) • Ethernet (RJ45) 10/100BASE-T (for N1AE model)

I/O 1 x USB (Client) 1 x USB (Host)

1 x Micro SD Slot (for N1AE model)

LCD and Touchscreen

Display Type WQVGA TFT LCD

 Display Size 4.3" Max. Resolution 480 x 272 Max Colors 65,536 colors - Luminance (cd/m²) 400 **Backlight Life** LED, 20,000 hr

Dimming Adjustable by touch panel Touchscreen 4 wires 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

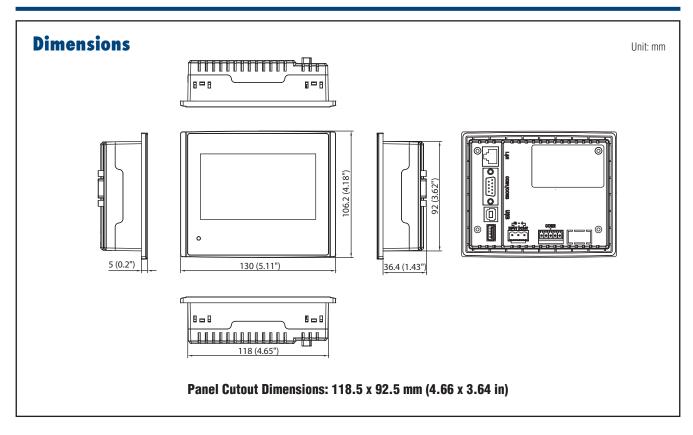
Ingress Protection Front panel: IP66

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

Ordering Information

WOP-2040T-S1AE 4.3" WQVGA, 32MB (SDRAM), 8MB (NOR) WOP-2040T-N1AE 4.3" WQVGA, 32MB (SDRAM), 8MB (NOR) &

128MB (NAND)



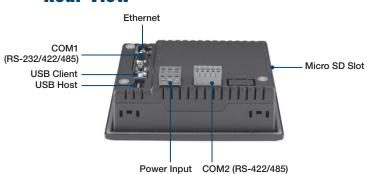
Optional Accessories

■ **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
1702031001 Power Cable UK Plug 1.9 M

1702031801 Power Cable UK Plug 1.8 M
170000596 Power Cable China/Australia Plug 1.8 M

Rear View



Communication Links

Direct Link 1-to-1 Connection

