WebOP-2070T 7" WVGA 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)** 188 x 143.3 x 30 mm (7.4 x 5.64 x 1.18 in)

 Cutout Dimensions 175 x 132.5 mm (6.89 x 5.21 in)

• Front Panel Thickness 6 mm (0.23 in)

 Operating System HMI RTOS, WebOP Designer

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

Weight (Net) 0.6 kg (1.32 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 N2AE model)

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

1 x Micro SD Slot (for N1AE model

LCD and Touchscreen

Display Type WVGA TFT LCD Display Size

 Max. Resolution 800 x 480 Max Colors 65,536 colors - Luminance (cd/m²) 300

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

Environment

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

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

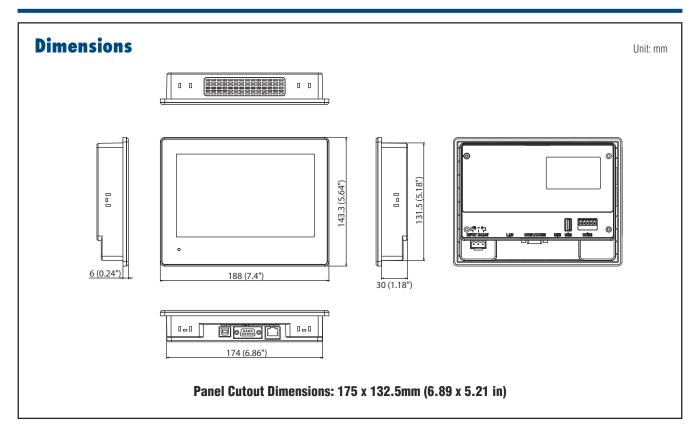
Ingress Protection Front panel: IP66

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

Ordering Information

WOP-2070T-S2AE 7" WVGA, 64MB (SDRAM), 8MB (NOR) 7" WVGA, 64MB (SDRAM), 8MB (NOR) & WOP-2070T-N2AE

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
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

