# WebOP-2040T 4.3" WQVGA Operator Panel with 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 strinTo 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
- Dimensions (WxHxD)
- Cut-out Dimensions
- Front Panel Thickness
- Operating System
- Power Supply Voltage 24V<sub>DC</sub> ±10%
- Power Consumption
- Enclosure Housing
- Mounting
- Weight (Net)

### **System Hardware**

- CPU
- Flash Memory 8MB/ 8MB + 128M NAND flash
- Power-On LED
- Communication LED
- Front USB Access

### **Communication Interface**

- COM2
- Ethernet (RJ45)

]	Plastic
	Panel
	0.3 kg (0.66 lbs)

CE, BSMI, CCC, UL, FCC Class A

118.5 x 92.5mm (4.66" x 3.64")

HMI RTOS, WebOP Designer

130 x 106.2 x 36.4mm (5.11" x 4.18" x 1.43")

RISC 32bits, 200MHz

5mm

5W

- Battery Backup Memory 128KB
  - Yes

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

No

No

- COM3 RS-232 (Com1: Pin5;7;8)
- 10/100-BaseT (for N1AE model)
- USB Client I/Os Yes
- USB Host Yes Micro-SD Slot Yes (for N1AE model)

### **LCD Display and Touchscreen**

- Display Type WQVGA TFT LCD
- **Display Size**
- Max. Resolution 480 x 272
- Max Colors 65,536 colors
- Luminance (cd/m<sup>2</sup>)
  - **Backlight Life** LED, 20,000 hrs
  - Dimming Adjustable by touch panel
  - Touchscreen 4 wires analog resistive

4.3"

400

### Environment

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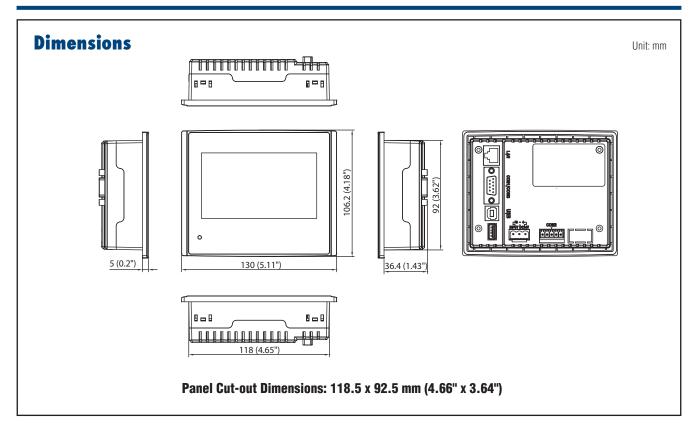
- Operating Temperature 0 ~ 50°C (32 ~ 122°F)
- -20~60°C (-4~140°F) Storage Temperature
- 10 ~ 90% RH @ 40°C, non-condensing - Humidity
- Ingress Protection Front panel: IP66
- Operating, radom vibration 1 Grms (5 ~ 500 Hz) Vibration Protection

# **Ordering Information**

- WOP-2040T-S1AE WOP-2040T-N1AE
- 4.3" WQVGA, 32MB (SDRAM), 8MB (NOR) 4.3" WQVGA, 32MB (SDRAM), 8MB (NOR) & 128MB (NAND)



# Web0P-2040T



# **Optional Accessories**

### PWR-247-CE

- **1702002600**
- **1702002605**
- 1702031801

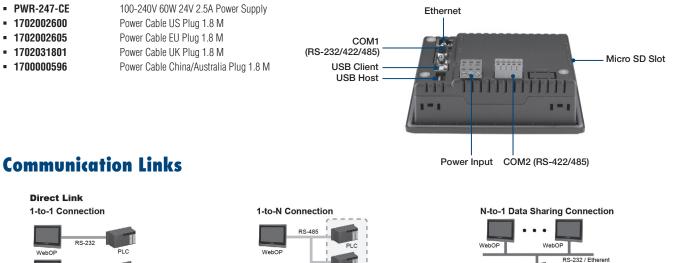
WebOP

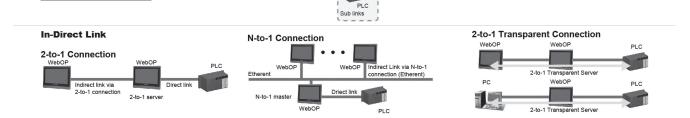
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PLC

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## **Rear View**





PLC