

# WebOP-104T

## 4.3" WQVGA Operator Panel Installed with WebAccess/HMI Software



### Features

- ARM9™ 32-bit, 300 MHz RISC processor with 128 MB flash memory
- Includes a RTC battery backup RAM 128KB
- 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/Vista/7/10
- Supports operation in both landscape and portrait mode
- Supports over 450 PLC industrial communication protocols
- Panel mount design ensures easy installation
- IP66-rated front panel / NEMA Type 4X compliant

### Introduction

To fulfill the stringent standards of the automation market, especially for packaging, label slitting, and robot dispensing applications, Advantech developed the WebOP-100 series for diverse operations that involve PLCs, motion/thermal controllers, inverters, and sensors. Powered by an ARM9™ 32-bit, 300 MHz RISC processor with 128 MB flash memory, the WebOP-100 series systems are available with LCDs of varying size (from 4.3 to 15"). Additionally, WebOP-100 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, UL 61010, FCC Class A
- **Dimensions (W x H x D)** 129 x 103 x 33mm (5.08" x 4.06" x 1.30")
- **Cutout Dimensions** 118.5 x 92.5mm (4.67" x 3.64")
- **Front Panel Thickness** 5 mm (0.19 in)
- **Operating System** HMI RTOS, WebAccess/HMI Designer
- **Power Supply Voltage** 24V<sub>DC</sub> ±10%
- **Power Consumption** 10W
- **Enclosure Housing** Plastic
- **Mount Options** Panel
- **Weight (Net)** 0.23 kg (0.51 lbs)

#### System Hardware

- **CPU** ARM9™ 32-bit, 300 MHz RISC processor
- **Battery Backup Memory** 128KB
- **Flash Memory** 128M NAND flash

#### Communication Interface

- **COM1** RS-232 (5-Pin Terminal)
- **COM2** RS-422/485 (5-Pin Terminal)
- **COM3** RS-485 (5-Pin Terminal)
- **Ethernet (RJ45)** 10/100 BaseT
- **I/O** 1 x USB (Client)  
1 x USB (Host)

#### LCD and Touchscreen

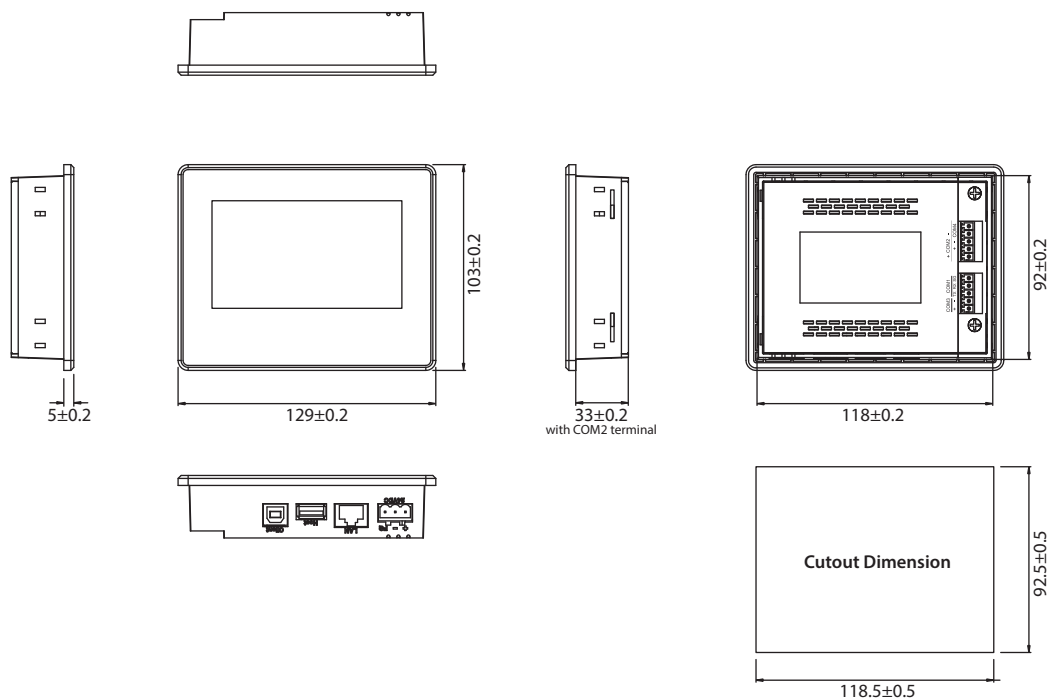
- **Display Type** WQVGA TFT LCD
- **Display Size** 4.3"
- **Max. Resolution** 480 x 272
- **Max. Colors** 65,536 colors
- **Luminance (cd/m<sup>2</sup>)** 400
- **Backlight Life** LED, 20,000 hr
- **Touchscreen** 4 wires analog resistive

#### Environment

- **Operating Temperature** -10 ~ 60°C (14 ~ 140° F)
- **Storage Temperature** -20 ~ 70°C (-4 ~ 158° F)
- **Humidity** 10 ~ 90% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: IP65 / NEMA Type 4X compliant
- **Vibration Protection** 10 ~ 55Hz (X,Y,Z direction, 1G, 30 minutes shock test)

## Dimensions

Unit: mm



**Panel Cutout Dimensions: 118.5 x 92.5mm (4.67" x 3.64")**

## Ordering Information

- **WOP-104T-NAE** 4.3" WQVGA, 64MB/128MB, Serial x3, Ethernet

## 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

## Rear View

