WebOP-110T

10.1" WSVGA 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 ARM™ 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)	270.8 x 212.8 x 42.5mm (10.66" x 8.38" x1.67")
Cutout Dimensions	259 x 201mm (10.20" x 7.91")
Front Panel Thickness	6 mm (0.23 in)
Operating System	HMI RTOS, WebAccess/HMI Designer
Power Supply Voltage	24V_{DC} ±10%
Power Consumption	20W
Enclosure Housing	Plastic
Mount Options	Panel
Weight (Net)	1.1 kg (2.43 lbs)

System Hardware

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

Communication Interface

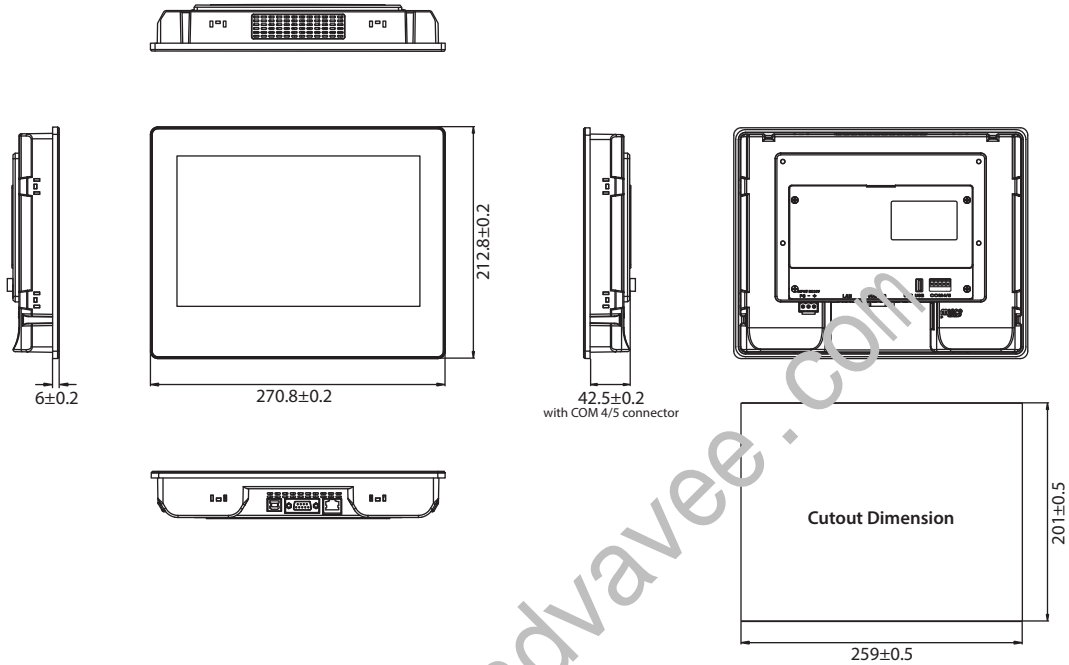|	
COM1	RS-232 (DB9 Female)
COM2	RS-422/485 (DB9 Female)
COM3	RS-485 (DB9 Female)
COM4	RS-485 (5-Pin Terminal)
COM5	RS-485 (5-Pin Terminal)
Ethernet (RJ45)	10/100 BaseT
I/Os	1 x USB (Client)
	1 x USB (Host)

LCD and Touchscreen

Display Type	WSVGA TFT LCD
Display Size	10.1"
Max. Resolution	1024 x 600
Max. Colors	65,536 colors
Luminance (cd/m²)	350
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)

Last updated: 25-Jun-2019

Dimensions

Unit: mm

212.8±0.2

6±0.2

270.8±0.2

42.5±0.2
with COM 4/5 connector

Cutout Dimension

201±0.5

259±0.5

Panel Cutout Dimensions: 259 x 201mm (10.20" x 7.91")

Ordering Information

- **WOP-110T-NAE** 10.1" WSVGA, 64MB/128MB, Serial x5, 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

USB Host

COM1 / COM2 / COM3
(RS-232 / RS-422/485 / RS-485)

COM4 / COM5
(RS-485 / RS-485)

Power Input

Ethernet

USB Client