WebOP-112K

12" XGA 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
- IP65-rated front panel

CE FCC

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, FCC Class A
- **Dimensions (W x H x D)** — 335.5 x 245.9 x 56.2mm (13.21" x 9.68" x 2.21")
- **Cutout Dimensions** — 302 x 228mm (11.89" x 8.98")
- **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** — Die-cast aluminum alloy front bezel
- **Mount Options** — Panel
- **Weight (Net)** — 2 kg (4.41 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)
- **Ethernet (RJ45)** — 10/100 BaseT
- **I/Os** — 1 x USB (Client)
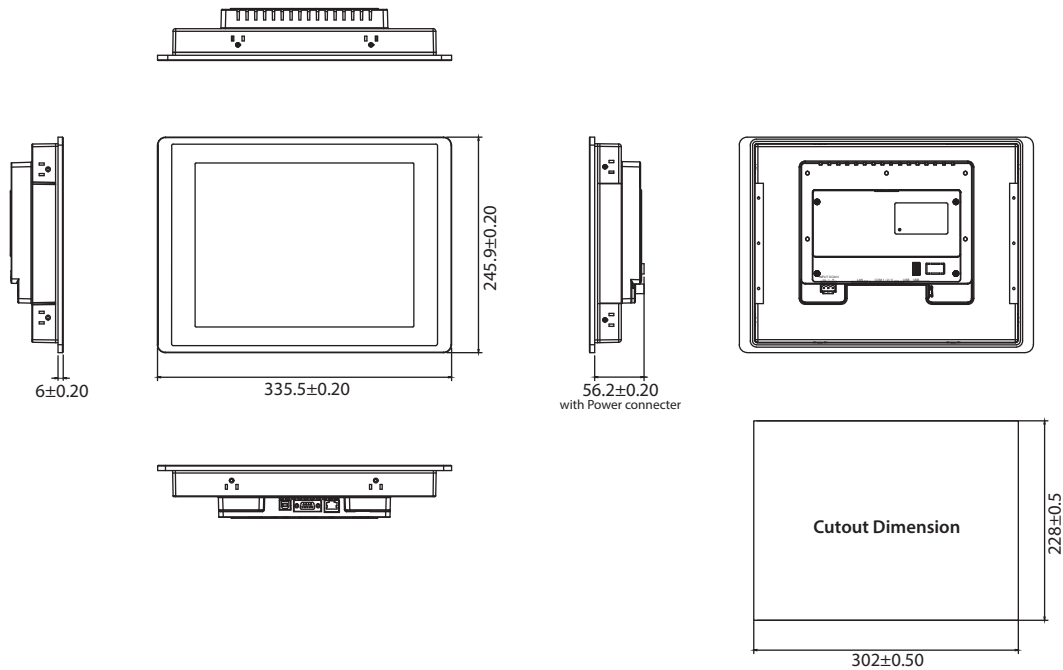 1 x USB (Host)

LCD and Touchscreen

- **Display Type** — XGA TFT LCD
- **Display Size** — 12"
- **Max. Resolution** — 1024 x 768
- **Max. Colors** — 65,536 colors
- **Luminance (cd/m²)** — 500
- **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
- **Vibration Protection** — 10 ~ 55Hz (X,Y,Z direction, 1G, 30 minutes shock test)

Dimensions

Unit: mm

245.9±0.20

6±0.20

335.5±0.20

56.2±0.20
with Power connecter

Cutout Dimension

228±0.5

302±0.50

Panel Cutout Dimensions: 302 x 228mm (11.89" x 8.98")
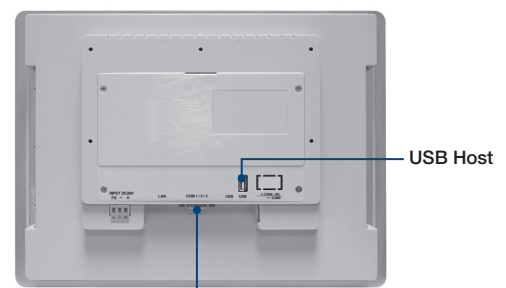
Ordering Information

- **WOP-112K-NAE**   12" XGA, 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

USB Host

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

Power Input

Ethernet

USB Client