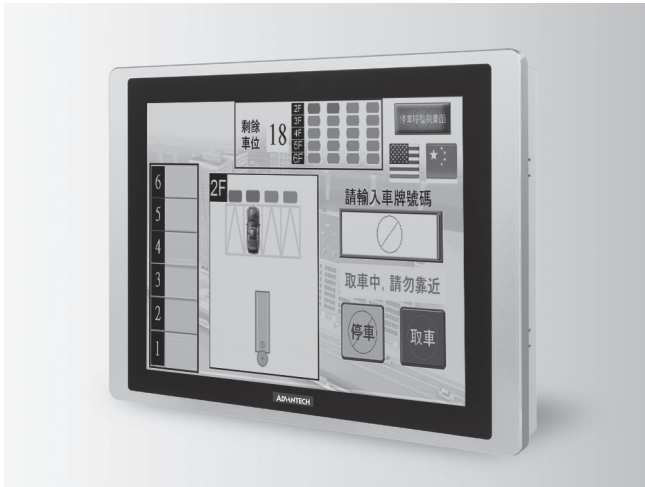# WebOP-115T

15" 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
- IP66-rated front panel / NEMA Type 4X compliant

CE FCC c(UL)us LISTED E160881 I.T.E.

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)** 399.1 x 297.6 x 57.5mm (15.71" x 11.72" x 2.26")
- **Cutout Dimensions**   384.5 x 283mm (15.14" x 11.14")
- **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)
- **COM4**   RS-485 (5-Pin Terminal)
- **COM5**   RS-485 (5-Pin Terminal)
- **Ethernet (RJ45)**   10/100 BaseT
- **I/Os**   1 x USB (Client)
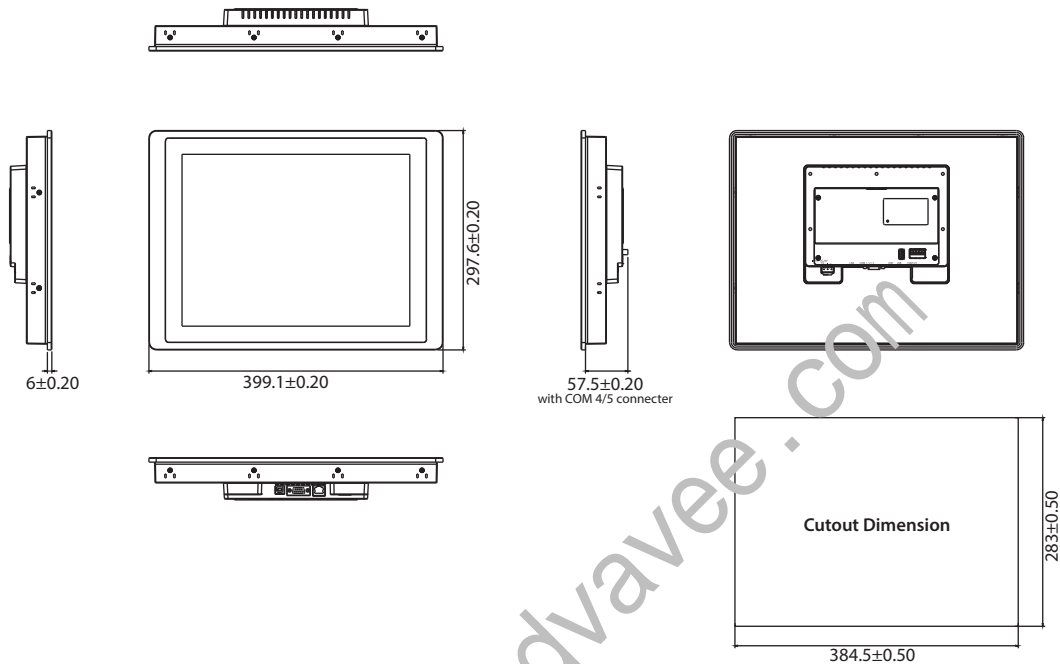   1 x USB (Host)

LCD and Touchscreen

- **Display Type**   XGA TFT LCD
- **Display Size**   15"
- **Max. Resolution**   1024 x 768
- **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)

ADVANTECH **Industrial Operator Panels**

All product specifications are subject to change without notice.   Last updated: 25-Jun-2019

Dimensions

Unit: mm

297.6±0.20

6±0.20

399.1±0.20

57.5±0.20
with COM 4/5 connecter

Cutout Dimension

283±0.50

384.5±0.50

Panel Cutout Dimensions: 384.5 x 283mm (15.14" x 11.14")

Ordering Information

- **WOP-115T-NAE**   15" XGA, 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