# WebOP-3100T

**10.1” WSVGA Cortex™-A8 Operator Panel with Wide Operating Temperature Range**

## Introduction

With brand-new ID design, the WebOP-3100T provides stringent standards required in the automation market. Advantech offers the WebOP-3100T with Cortex™-A8 processor which consumes minimum power without sacrificing performance. The WebOP-3000T supports a variety of LCD sizes from 4.3” to 15” for different applications involving the use of PLCs, motion/thermal controllers, inverters and sensors. It’s also provided with a wide operating temperature range to fulfill the requirements of harsh environments.

## Specifications

### General
- **Certification**: CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (W x H x D)**: 271.5 x 213.5 x 43.2 mm (10.69” x 8.41” x 1.7”)
- **Cut-out Dimensions**: 260 x 201.5 mm (10.24” x 7.93”)
- **OS Support**: Microsoft® Windows CE 6.0
- **Power Input**: 24VDC ±10%
- **Power Consumption**: 9W (Typical)
- **Enclosure Housing**: PC + ABS
- **Mounting**: Panel
- **Weight (Net)**: 1.2 kg (2.65 lbs)

### System Hardware
- **CPU**: RISC 32 bits, 600 MHz (ARM® Cortex™-A8)
- **Backup Memory**: FRAM 128KB
- **Memory**: DDR2 256MB on board
- **Storage**: 512MB on board SLC type
- **Power-On LED**: Yes

### Communication Interface
- **COM1**: RS-232/422/485 (DB9 Male)
- **COM2**: RS-422/485 (Terminal Plug 4-Pin)
- **COM3**: RS-485 (Terminal Plug 2-Pin)
- **CAN**: Terminal Plug 2-Pin
- **Ethernet (RJ45)**: 10/100-Baset
- **I/Os**: USB Client x 1, USB Host x 1, Micro-SD Slot: Yes, Audio: 1 Line-out / 1 Mic-in

### LCD Display
- **Display Type**: WSVGA TFT LCD
- **Display Size**: 10.1”
- **Max. Resolution**: 1024 x 600
- **Max. Colors**: 64K

## Features
- RISC 32 bits TI ARM® Cortex™-A8 processor
- Various LCD sizes (7”, 10.1”, 12”, 15”)
- Full line LED BL TFT LCD with 50K life time
- Embedded Microsoft® WinCE 6.0 OS
- Support WebOP Designer HMI Runtime development tool
- Backup Memory FRAM in 128KB(64 words) without battery concern
- Power & Terminal I/O ports isolation protection
- -20°C ~ 60°C wide operating temperature range
- Support CANopen library registered by CiA 301 V4.02
- RS-422/RS-485/CAN terminal I/O ports support Termination Resistor 120Ω
- Front panel IP66 compliant
- Die-cast aluminum alloy front bezel
- Level 4 ESD protection (Air:15KV / Contact:8KV)
- Industrial Control Equipment - UL 508 certification

## Base View

![Base View Image](image-url)
Dimensions

Panel Cut-out Dimensions: 260 x 201.5 mm (10.24” x 7.93”)

Ordering Information

- WOP-3100T-C4BE 10.1” WSVGA, Cortex™-A8, 256MB DDR, WinCE 6.0

Optional Accessories

- PWR-247-AE 24 V 50 W AC-DC Power Adapter
- 1702002600 Power Cable US Plug 1.8 M
- 1702002605 Power Cable EU Plug 1.8 M
- 1702031801 Power Cable UK Plug 1.8 M
- 1702031836 Power Cable China/Australia Plug 1.8 M

S/W Bundle Offering

- WA-HT3100T-R15H0AE WOP-3100T-C4BE with WebAccess/HMI Runtime

Application Software

WebAccess/HMI is Human Machine Interface (HMI) software based on Microsoft’s Windows operating system. It utilizes a PC’s ample resources, i.e., speed, storage, multimedia, peripheral devices, and large screen to produce a complex human-machine interface. WebAccess/HMI with its communication and monitoring ability supports more than 350 PLC communication protocols and a wide choice of screen design objects, to satisfy multiple integrations of factory automation and all-round human-machine interface operation and monitoring requirements.