### Introduction

The WebOP-3070T operator panel is powered by an ARM® Cortex™-A8 32-bit, 600 MHz, RISC processor that consumes minimal power without sacrificing performance and satisfies the stringent standards set for the automation market. Additionally, the WebOP-3070T system can be equipped with a variety of LCD sizes, ranging from 7 to 12", for diverse applications that involve PLCs, motion/thermal controllers, inverters, and sensors. Furthermore, the WebOP-3070T system supports a wide operating temperature range (-20 ~ 60 °C/-4 ~ 140 °F) to ensure reliable operation in harsh industrial environments.

### Specifications

#### General
- **Certification**: CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (W x H x D)**: 203.4 x 150 x 43.7 mm (8.01 x 5.91 x 1.72 in)
- **Cutout Dimensions**: 192 x 138.5 mm (7.56 x 5.45 in)
- **OS Support**: Microsoft® Windows CE 6.0
- **Power Input**: 24VDC ±10%
- **Power Consumption**: 7W (Typical)
- **Enclosure Housing**: PC + ABS
- **Mounting**: Panel
- **Weight (Net)**: 1 kg (2.20 lbs)

#### System Hardware
- **CPU**: ARM® Cortex™-A8 32-bit, 600 MHz, RISC processor
- **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)**: 10/100BASE-T
- **I/Os**: 1 x USB 2.0 (Client), 1 x USB 2.0 (Host), 1 x micro SD slot, 1 x Audio line out, 1 x mic in

#### LCD Display
- **Display Type**: WVGA TFT LCD
- **Display Size**: 7"
- **Max. Resolution**: 800 x 480
- **Max. Colors**: 64K
- **Luminance (cd/m²)**: 500

### Features
- **ARM® Cortex™-A8 32-bit, 600 MHz, RISC processor**
- **Available with a variety of LCD sizes (7/10.1/12")**
- **TFT LCD with 50K lifetime and LED backlight**
- **Embedded Microsoft® WinCE 6.0 OS**
- **Supports Advantech’s WebOP Designer HMI Runtime development tool**
- **128 KB (64 words) Backup memory FRAM without battery concerns**
- **Isolation protection for power and terminal I/O ports**
- **Wide operating temperature range -20 ~ 60 °C (-4 ~ 140 °F)**
- **Supports the CANopen library defined by the CiA 301 V4.02 specification**
- **RS-422, RS-485, CAN terminal I/O ports support terminating resistor value of 120Ω**
- **IP66-rated front panel**
- **Die cast aluminum alloy front bezel**
- **Level 4 ESD protection (Air: 15KV/Contact: 8KV)**
- **UL 508 certification for industrial control equipment**

### Environment
- **Operating Temperature**: -20 ~ 60 °C (-4 ~ 140 °F)
- **Storage Temperature**: -30 ~ 70 °C (-22 ~ 158 °F)
- **Humidity**: 10 ~ 90% RH @ 40 °C, non-condensing
- **Ingress Protection**: Front panel: IP66
- **Vibration Protection**: Operating, random vibration 1 Grms (5 ~ 500 Hz)

### Touchscreen
- **Lifespan**: 36 million touches of 8 mm in diameter through silicone rubber with at least 250 g load
- **Light Transmission above 80%**
- **Resolution Linearity**
- **Type**: 5-wire, analog resistive

### Base View

![Base View](image-url)
WebOP-3070T

Dimensions

Panel Cutout Dimensions: 192 x 138.5 mm (7.56 x 5.45 in)

Ordering Information
- WOP-3070T-C4BE 7" WVGA, Cortex™-A8, 256MB DDR, WinCE 6.0

Optional Accessories
- PWR-247-CE 24 V 60 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-HT3070T-R15H0AE WOP-3070T-C4BE with WebAccess/HMI Runtime

Application Software

WebAccess/HMI
Advantech’s WebAccess/HMI is human-machine interface (HMI) software based on Microsoft’s Windows operating system. This software features excellent communication and monitoring capabilities, supports more than 350 PLC communication protocols, and offers a wide choice of screen design objects to satisfy diverse integrations of factory automation and HMI operation and monitoring requirements.

Rear View

Audio mic in/line out
USB (Host)
Isolated power input
Isolated terminal I/O ports

CAN/COM3/COM2
Isolated terminal I/O ports