Web0P-2050T

5.6" QVGA Operator Panel with **WebOP Designer Software**



Introduction

To satisfy the stringent standards required in the automation market, especially packaging, label slitting, and motion-based robot dispensing, Advantech offers the WebOP-2000T series with 200MHz ARM9-based RISC CPU's and 128MB flash memory for application software. The WebOP-2000T series also support a variety of LCD sizes from 4.3" to 10.1" for different applications involving the use of PLCs, motion/thermal controllers, inverters and sensors. The WebOP-2000T series is bundled with WebOP Designer: a software development kit which helps create application solutions for labor-saving, improved efficiency of manufacturing and easy control of every machine in the factory. WebOP Designer offers an outstanding price performance ratio for various markets such as conventional operator panels, HMI + Low mini SCADA systems, and HMI + communication gateways.

Specifications

General

- Certifications
- Dimensions (WxHxD)
- Cut-out Dimensions
- Front Panel Thickness
- Operating System
- Power Supply Voltage
- Power Consumption
- Enclosure Housing
- Mounting
- Weight (Net)

System Hardware

- CPU
- Battery Backup Memory 128KB
- Flash Memory 8MB + 128M NAND flash Yes
- Power-On LED
- Communication LED No
- Front USB Access

Communication Interface

 COM1 RS-232/422/485 (DB9 Female)

No

- COM2 RS-422/485 (5-Pin Plug Connector)
- COM3 RS-232 (Com1: Pin5;7;8)
- Ethernet (RJ45)
- I/Os
- None USB Client Yes USB Host Yes Micro-SD Slot Yes

LCD Display and Touchscreen

- QVGA TFT LCD Display Type
- 5.6" Display Size
- Max. Resolution 320 x 234
- Max. Colors 65,536 colors
- Luminance (cd/m²)

Features

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Various LCD sizes (4.3" to 10.1")

Reliable firmware for 24/7 operation

 Panel mounting for machinery Front panel is NEMA4/IP66 compliant

Supports ARM9-based CPUs with 200MHz and 128MB flash memory

Supports runtime data downloads through Serial, Ethernet, USB Supports adjustable brightness controls via touch panel

Supports over 300 PLC industrial communication protocols

Communicates with up to four types of devices

Supports RTC, battery backup RAM, and Ethernet-based operator panels

Supports Windows XP/7/Vista-based WebOP Designer development tool Easy to switch one application to different LCD sizes in seconds Supports vertical and horizontal application screen rotation

- **Backlight Life** LED, 20,000 hrs
- Dimming Adjustable by touch panel

330

Touchscreen 4 wire analog resistive

Environment

Humidity

- Operating Temperature 0 ~ 50°C (32 ~ 122°F)
 - Storage Temperature -20 ~ 60°C (-4 ~ 140°F)
 - 10 ~ 90% RH @ 40°C, non-condensing
- Ingress Protection Front panel: NEMA4, IP66
- Vibration Protection

Operating, radom vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

- WOP-2050T-S1AE
- 5.6" QVGA, 32 MB (SDRAM), 8MB (NOR) & 128MB (NAND)

Intelligent Operator Panels AD\ANTECH

- - CE, BSMI, CCC, UL, FCC Class A
- 188 x 143.3 x 30 mm (7.4" x 5.64" x 1.18")
 - 175 x 132.5 mm (6.89" x 5.21")
- 6mm HMI RTOS, WebOP Designer
- 24V_{DC} ±10%

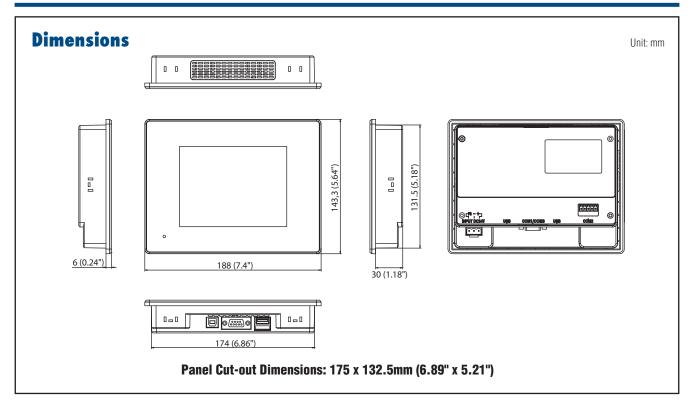
0.51 kg (1.12 lbs)

RISC 32bits, 200MHz

10W Plastic

Panel

WebOP-2050T



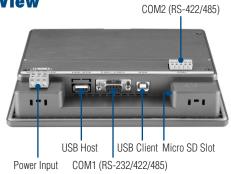
Accessories

CWOP-P2HFM-AD12E PC to HMI program download cable, DB9/2m

- CWOP-P2HAB-ADU2E PC to HMI program download cable, USB/2m
- PWR-247-AE
- 24 V 50 W AC-DC Power Adapter Power Cable US Plug 1.8 M
- 1702002600
- 1702002605
- Power Cable EU Plug 1.8 M Power Cable UK Plug 1.8 M
- • 1702031801
 Power Cable UK Plug 1.8 N

 • 1702031826
 Dawer Cable China (Australian)
- 1702031836 Power Cable China/Australia Plug 1.8 M

Rear View



Communication Links

