WOP-215K

15" XGA Operator Panel Installed with HMINavi Software

Features

- ARM9™ 32-bit RISC processor with 64 MB SDRAM working memory
- Supports over 500+ PLC industrial communication protocols
- Backup memory 128KB for retaining critical data or parameter
- Supports the HMINavi Designer development tool free on Windows 10
- Supports HMINavi Runtime data downloads through Serial, Ethernet, USB port
- No limitation on the internal I/Os points used for variety application
- Reliable firmware setting from HMINavi software for 24/7 operation
- Easy to switch one application to different LCD sizes in seconds
- Supports operation in both landscape and portrait mode
- Panel mount design ensures easy installation and IP66-rated front panel

Introduction

To fulfill the stringent standards of the automation market, especially for packaging, label slitting, and F&B applications, Advantech developed the WOP-200K series for diverse operations that involve PLCs, thermal controllers, inverters, and sensors. Powered by an ARM9™ 32-bit RISC processor with 64 MB working memory, the WOP-200K series systems are available with LCDs of varying size (from 4.3" to 15"). Additionally, WOP-200K systems are bundled with Advantech's HMINavi software – a human-machine interface designed for HMI applications to reduce labor and improve manufacturing efficiency through visualization. Powerful connectivity drivers support 500+ variety market brands of PLC.

Specifications

General

- **Certification** — CE, FCC, UL61010
- **Dimensions (W x H x D)** — 399.1 x 297.6 x 57.3mm (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, HMINavi Designer
- **Power Supply Voltage** — $24V_{DC} \pm 10\%$, Isolation
- **Power Consumption** — 20W
- **Enclosure Housing** — Plastic
- **Mount Options** — Panel
- **Weight (Net)** — 3 kg (6.61 lbs)

System Hardware

- **CPU** — ARM9™ 32-bit RISC processor
- **Battery Backup Memory** — 128KB
- **Working Memory** — 64 MB SDRAM
- **Storage** — 128 MB NAND Flash
  Runtime Max Size: 64 MB
  Data Logger Max Size: 64 MB

Communication Interface

- **COM1** — RS-232 (DB9 Female)
- **COM2** — RS-422/485 (COM1: Pin 1, 4, 5, 6, 9)
- **COM3** — RS-485 (COM1: Pin 5, 7, 8)
- **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** — 95% RH @ 40°C, non-condensing
- **Ingress Protection** — Front panel: IP66
- **Vibration Protection** — 5 ~ 500Hz (X,Y,Z direction, 1Grms, 1hour per axis)

Ordering Information

- **WOP-215K-NAE** — 15" XGA, 64MB, 128MB(NAND), Serial x3, Ethernet

Vertrieb durch

AMC – Analytik & Messtechnik GmbH Chemnitz

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ADVANTECH iAutomation
Premier Partner

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WOP-215K

Dimensions

Unit: mm [inch]

297.6 [11.72]

57.3 [2.26]

282 [11.1]

6 [0.24]

399.1 [15.71]

51.3 [2.02]

383.5 [15.1]
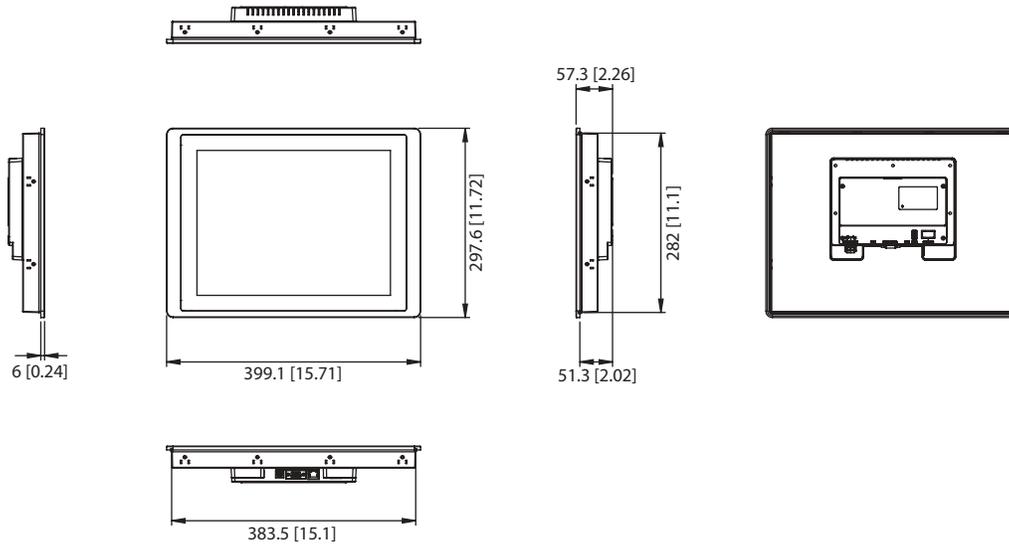
Panel Cutout Dimensions: 384.5 x 283 mm (15.14 x 11.14 in)

Optional Accessories

DIN-Rail Type Power Supply Module

- **96PSD-A60W24-MM**   A/D 100-240V 60W 24V MDR DIN RAIL
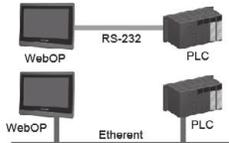- **96PSD-A120W24-MN**   A/D 100-240V 120W 24V NDR DIN RAIL
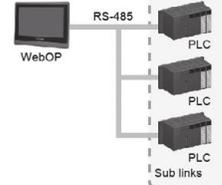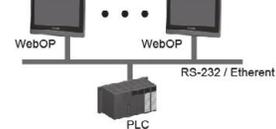
Rear View

Communication Links

Direct Link

1-to-1 Connection

WebOP   RS-232   PLC

WebOP   Etherent   PLC

1-to-N Connection

WebOP   RS-485   PLC / PLC / PLC   Sub links

N-to-1 Data Sharing Connection

WebOP ••• WebOP

RS-232 / Etherent

PLC

In-Direct Link

2-to-1 Connection

WebOP   Indirect link via 2-to-1 connection   WebOP   2-to-1 server   Direct link   PLC

N-to-1 Connection

WebOP ••• WebOP   Indirect Link via N-to-1 connection (Etherent)

Etherent

N-to-1 master   Direct link   WebOP   PLC
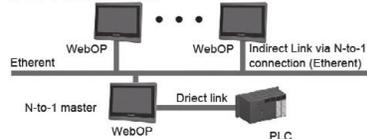
2-to-1 Transparent Connection

WebOP   WebOP   PLC

2-to-1 Transparent Server

PC   WebOP   PLC

2-to-1 Transparent Server