

WOP-204K

4.3" WQVGA 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, the WOP-200K series was developed 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)	129 x 103 x 31.3mm (5.08" x 4.06" x 1.23")
• Cutout Dimensions	118.5 x 92.5mm (4.67" x 3.64")
• Front Panel Thickness	5 mm (0.19 in)
• Operating System	HMI RTOS, HMINavi Designer
• Power Supply Voltage	24VDC $\pm$ 10%, Isolation
• Power Consumption	10W
• Enclosure Housing	Plastic
• Mount Options	Panel
• Weight (Net)	0.23 kg (0.51 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 (5-Pin Terminal)
• COM2	RS-422/485 (5-Pin Terminal)
• COM3	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	WQVGA TFT LCD
• Display Size	4.3"
• Max. Resolution	480 x 272
• Max. Colors	65,536 colors
• Luminance (cd/m²)	400
• Backlight Life	LED, 20,000 hr
• Touchscreen	4 wires analog resistive

Environment

• Operating Temperature	-15 ~ 65°C (5 ~ 149°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)

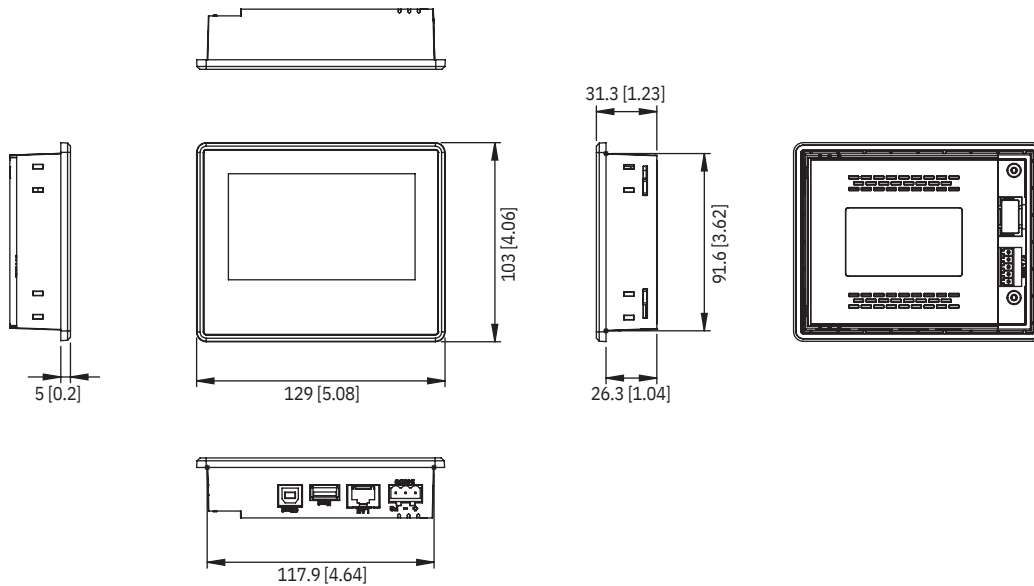
Ordering Information

WOP-204K-NAE	4.3" WQVGA, 64MB, 128MB(NAND), Serial x3, Ethernet
WOP-204K-SAE	4.3" WQVGA, 64MB, 128MB(NAND), Serialx3

WOP-204K

Dimensions

Unit: mm [inch]



Panel Cutout Dimensions: 118.5 x 92.5 mm (4.67 x 3.64 in)

Optional Accessories

DIN-Rail Type Power Supply Module

PSD-A60W24 DIN RAIL A/D 100-240V 60W 24V
PSD-A120W24 DIN RAIL A/D 100-240V 120W 24V

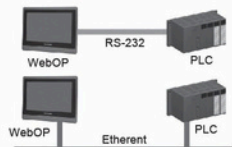
Rear View



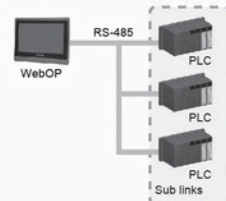
Communication Links

Direct Link

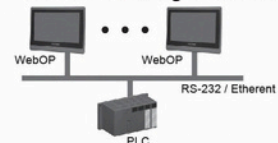
1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

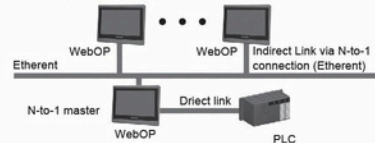


In-Direct Link

2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection

