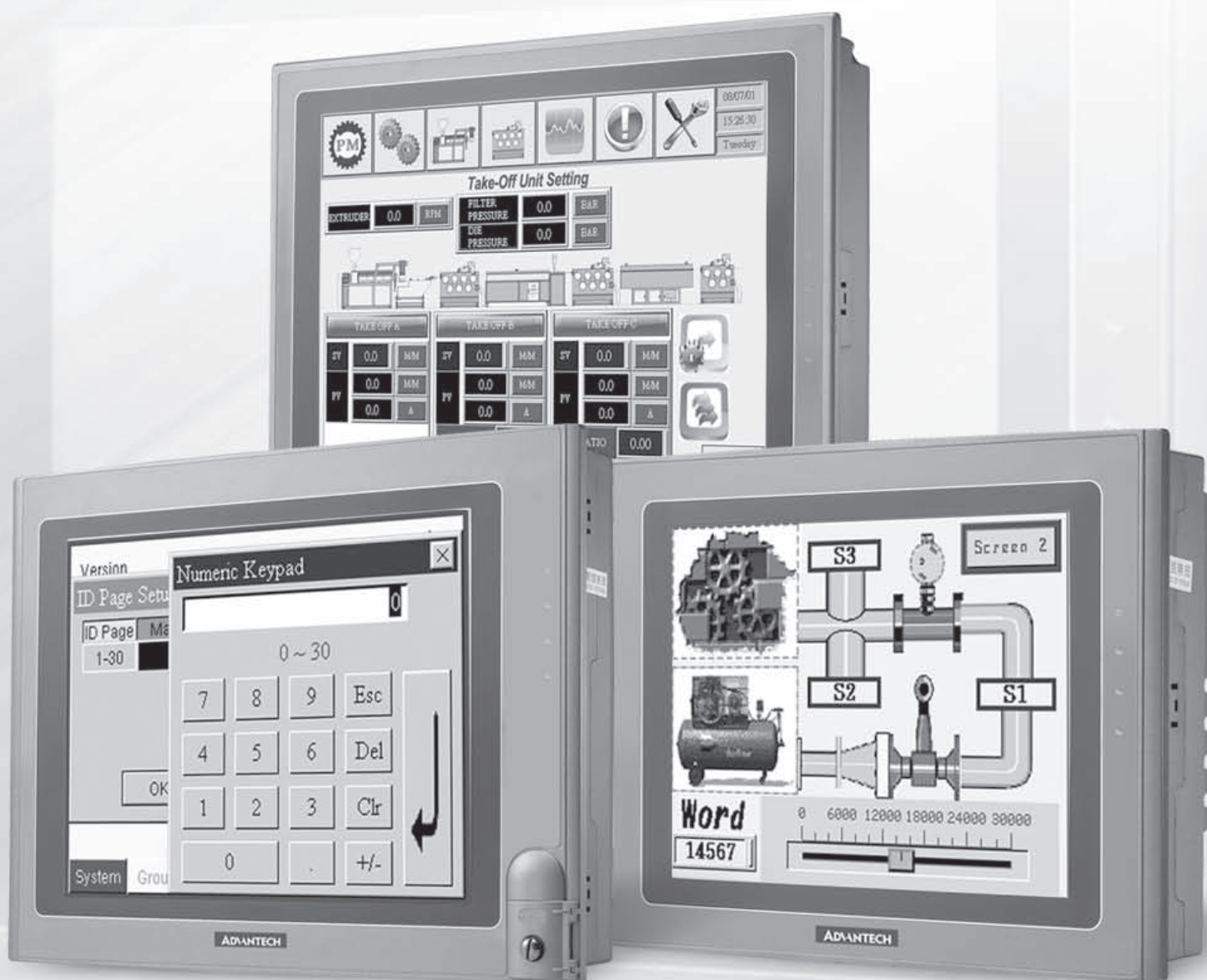


Intelligent Operator Panels

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To view all of Advantech's Intelligent Operator Panels, please visit www.advantech.com/products.



WebOP-2000 Selection Guide

NEW



NEW



NEW



Model		WOP-2040T		WOP-2050T	WOP-2070T	
Ordering Information		WOP-2040T-S1AE	WOP-2040T-N1AE	WOP-2050T-S1AE	WOP-2070T-S2AE	WOP-2070T-N2AE
CPU		RISC 32bits, 200MHz				
Battery Backup Memory		128KB				
Working Memory		32 MB SDRAM			64 MB SDRAM	
Flash Memory		8MB NOR Flash				
		-	128M NAND flash	128M NAND flash	-	128M NAND flash
Operating System		HMI RTOS, WebOP Designer 2.0				
Display	Type	WQVGA(16:9) TFT LCD		Similar QVGA TFT LCD		WVGA(16:9) TFT LCD
	Size	4.3"		5.6"		7"
	Max. Resolution	480 x 272		320 x 234		800 x 480
	Max. Colors	65,536 colors				
	Luminance (cd/m ₂)	400		330		300
	Viewing Angle (H/V°)	100/95		130/110		140/130
	Backlight Life (hur)	LED 20,000				
	Dimming	Adjustable				
Touchscreen		4 Wires Analog Resistive				
Power-On LED		Yes				
Communication LED		No				
Communication Interface	COM1	RS232/422/485 (DB9 Female)				
	COM2	RS422/485 (5 Pin Plug Connector)				
	COM3	RS232 (COM1: Pin5;7;8)				
	Ethernet (RJ45)	-	10/100-BaseT	-	-	10/100-BaseT
I/Os	USB Client	Yes				
	USB Host	Yes				
	Micro-SD Slot	-	Yes	Yes	-	Yes
Power Supply Voltage		24V _{DC} ±10%				
Power Consumption		5W		10W	10W	
Dimension W x H x D (mm)		130 x 106.2 x 36.4 mm (5.11" x 4.18" x 1.43")		188 x 143.3 x 30 mm (7.4" x 5.64" x 1.18")	188 x 143.3 x 30 mm (7.4" x 5.64" x 1.18")	
Cut-out Dimension W x H (mm)		118.5 x 92.5mm (4.66" x 3.64")		175 x 132.5mm (6.89" x 5.21")	175 x 132.5mm (6.89" x 5.21")	
Front Panel Thickness (mm)		5 mm		6 mm	6 mm	
Net Weight		0.3 kg		0.51kg	0.6kg	
Operating Temperature		0 ~ 50°C (32 ~ 122°F)				
Storage Temperature		-20 ~ 60°C (-4 ~ 140°F)				
Humidity		10% ~ 90% RH @ 40°C, non-condensing				
Ingress Protection		Front Panel: NEMA4/IP66				
Certification Approval		CE/FCC/BSMI/CCC/UL				
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Selection Guide

NEW



NEW



NEW



WOP-2080T		WOP-2100T		WOP-2121V
WOP-2080T-S2AE	WOP-2080T-N2AE	WOP-2100T-S2AE	WOP-2100T-N2AE	WOP-2121V-N4AE
RISC 32bits, 200MHz				
128KB				
64 MB SDRAM				
8MB NOR Flash				16MB NOR Flash
-	128M NAND flash	-	128M NAND flash	-
HMI RTOS, WebOP Designer 2.0				HMI RTOS, WebOP Designer 1.2
SVGA TFT LCD		Similar WSVGA TFT LCD		SVGA TFT LCD
8"		10.1"		12.1"
800 x 600		1024 x 600		800 x 600
65,536 colors				
250		250		350
140/130		140/110		130/110
LED 30,000		LED 20,000		CCFL 30,000
Adjustable				
4 Wires Analog Resistive				8 Wires Analog Resistive
Yes				
No				COM1, COM2 and COM3
RS232/422/485 (DB9 Female)				
RS422/485 (5 Pin Plug Connector)				RS-232/422/485 (DB9 male & 5-Pins Plug Connector)
RS232 (COM1: Pin5;7;8)				RS-232 (6-Pins Plug Connector)
-	10/100-BaseT	-	10/100-BaseT	10/100-BaseT
Yes				-
Yes				
-	Yes	-	Yes	-
24V _{DC} ±10%				
10W		10W		25W
231.5 x 174.6 x 37 mm (9.11" x 6.87" x 1.46")		269.8 x 212 x 37.4 mm (10.62" x 8.35" x1.47")		315 x 241 x 54.5 mm (12.4" x 9.48" x 2.14")
221 x 164 mm (8.70" x 6.46")		259.5 x 201.5 mm (10.22" x 7.93")		301.5 x 228 mm (11.87" x 8.97")
6 mm		6 mm		6 mm
0.93 kg		1.2 kg		1.55 kg
0 ~ 50°C (32 ~ 122°F)				
-20 ~ 60°C (-4 ~ 140°F)				
10% ~ 90% RH @ 40°C, non-condensing				
Front Panel: NEMA4/IP66				Front Panel: NEMA4/IP65
CE/FCC/BSMI/CCC/UL				
6-10		6-12		6-14

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Motion Control

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Hazardous Location

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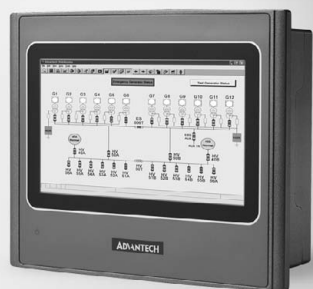
18

DAQ Boards

WebOP-2040T

4.3" WQVGA Operator Panel
with WebOP Designer Software

NEW



Features

- Various LCD sizes (4.3" to 10.1")
- Supports ARM9-based CPUs with 200MHz and 128MB flash memory
- Supports RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through Serial, Ethernet, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- 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
- Supports over 300 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery
- Front panel is NEMA4/IP66 compliant

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

- **Certification** CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (WxHxD)** 130 x 106.2 x 36.4mm (5.11" x 4.18" x 1.43")
- **Cut-out Dimensions** 118.5 x 92.5mm (4.66" x 3.64")
- **Front Panel Thickness** 5mm
- **Operating System** HMI RTOS, WebOP Designer
- **Power Supply Voltage** 24V_{DC} ±10%
- **Power Consumption** 5W
- **Enclosure Housing** Plastic
- **Mounting** Panel
- **Weight (Net)** 0.3 kg (0.66 lbs)

System Hardware

- **CPU** RISC 32bits, 200MHz
- **Battery Backup Memory** 128KB
- **Flash Memory** 8MB/ 8MB + 128M NAND flash
- **Power-On LED** Yes
- **Communication LED** No
- **Front USB Access** No

Communication Interface

- **COM1** RS-232/422/485 (DB9 Female)
- **COM2** RS-422/485 (5-Pin Plug Connector)
- **COM3** RS-232 (Com1: Pin5;7;8)
- **Ethernet (RJ45)** 10/100-BaseT (for N1AE model)
- **I/Os**
 - USB Client Yes
 - USB Host Yes
 - Micro-SD Slot Yes (for N1AE model)

LCD Display 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 hrs
- **Dimming** Adjustable by touch panel
- **Touchscreen** 4 wire analog resistive

Environment

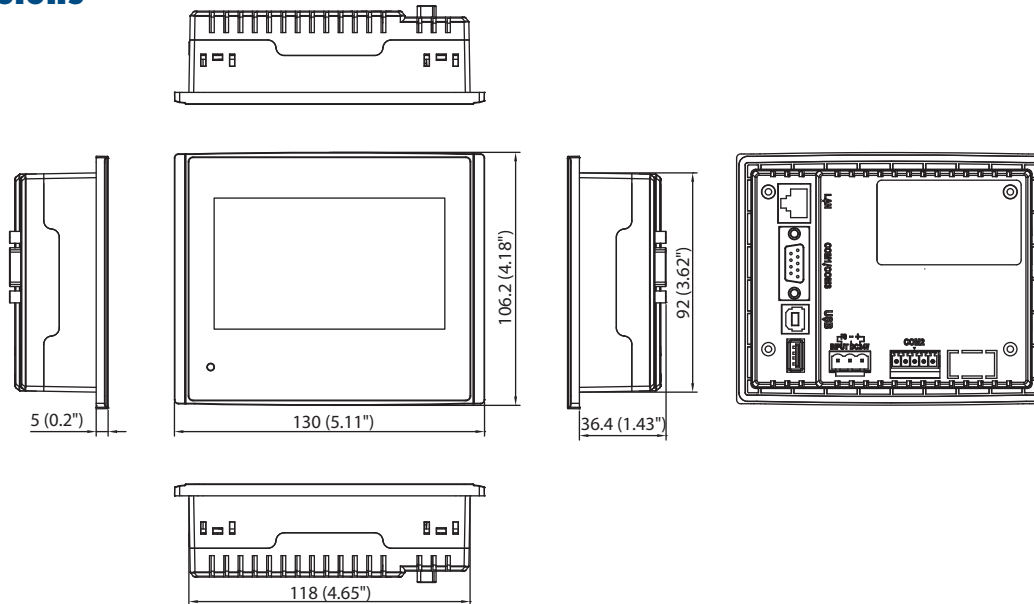
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity** 10 ~ 90% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP66
- **Vibration Protection** Operating, random vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

- **WOP-2040T-S1AE** 4.3" WQVGA, 32MB (SDRAM), 8MB (NOR)
- **WOP-2040T-N1AE** 4.3" WQVGA, 32MB (SDRAM), 8MB (NOR) & 128MB (NAND)

Dimensions

Unit: mm

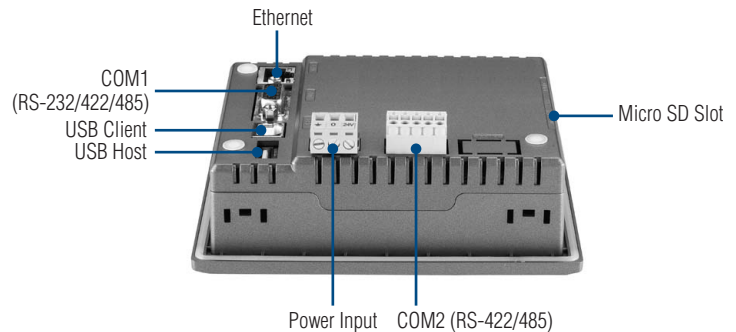


Panel Cut-out Dimensions: 118.5 x 92.5 mm (4.66" x 3.64")

Accessories

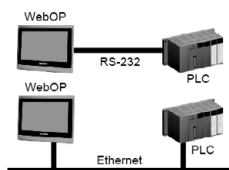
- **CWOP-P2HFM-AD12E** PC to HMI program download cable, DB9/2m
- **CWOP-P2HAB-ADU2E** PC to HMI program download cable, USB/2m
- **PWR-247-AE** 24 V 50 W AC-DC Power Adapter
- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1702031836** Power Cable China/Australia Plug 1.8 M

Rear View

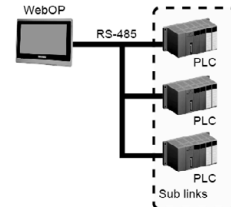


Communication Links

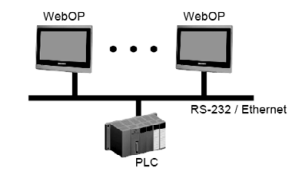
Direct Link 1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

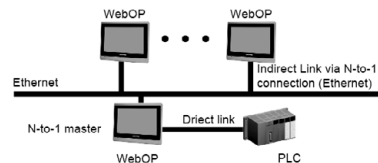


In-Direct Link

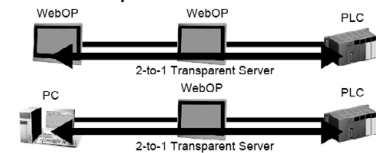
2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection



WebOP-2050T

5.6" QVGA Operator Panel with
WebOP Designer Software

NEW



Features

- Various LCD sizes (4.3" to 10.1")
- Supports ARM9-based CPUs with 200MHz and 128MB flash memory
- Supports RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through Serial, Ethernet, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- 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
- Supports over 300 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery
- Front panel is NEMA4/IP66 compliant

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

- **Certification** CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (WxHxD)** 188 x 143.3 x 30 mm (7.4" x 5.64" x 1.18")
- **Cut-out Dimensions** 175 x 132.5 mm (6.89" x 5.21")
- **Front Panel Thickness** 6mm
- **Operating System** HMI RTOS, WebOP Designer
- **Power Supply Voltage** 24V_{DC} ±10%
- **Power Consumption** 10W
- **Enclosure Housing** Plastic
- **Mounting** Panel
- **Weight (Net)** 0.51 kg (1.12 lbs)

System Hardware

- **CPU** RISC 32bits, 200MHz
- **Battery Backup Memory** 128KB
- **Flash Memory** 8MB + 128M NAND flash
- **Power-On LED** Yes
- **Communication LED** No
- **Front USB Access** No

Communication Interface

- **COM1** RS-232/422/485 (DB9 Female)
- **COM2** RS-422/485 (5-Pin Plug Connector)
- **COM3** RS-232 (Com1: Pin5;7;8)
- **Ethernet (RJ45)** None
- **I/Os**
 - USB Client Yes
 - USB Host Yes
 - Micro-SD Slot Yes

LCD Display and Touchscreen

- **Display Type** QVGA TFT LCD
- **Display Size** 5.6"
- **Max. Resolution** 320 x 234
- **Max. Colors** 65,536 colors
- **Luminance (cd/m²)** 330
- **Backlight Life** LED, 20,000 hrs
- **Dimming** Adjustable by touch panel
- **Touchscreen** 4 wire analog resistive

Environment

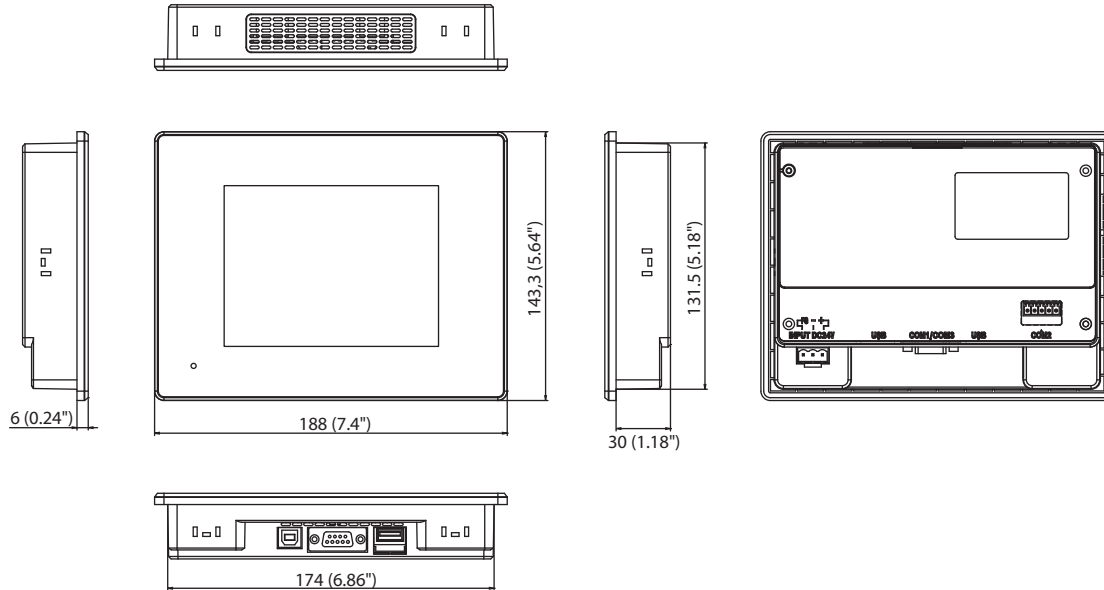
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity** 10 ~ 90% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP66
- **Vibration Protection** Operating, random vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

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

Dimensions

Unit: mm

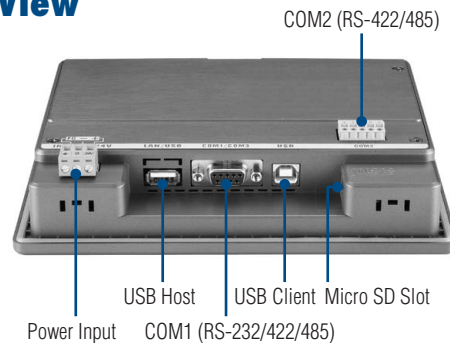


Panel Cut-out Dimensions: 175 x 132.5mm (6.89" x 5.21")

Accessories

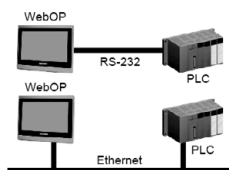
- CWOP-P2HFM-AD12E** PC to HMI program download cable, DB9/2m
- CWOP-P2HAB-ADU2E** PC to HMI program download cable, USB/2m
- PWR-247-AE** 24 V 50 W AC-DC Power Adapter
- 1702002600** Power Cable US Plug 1.8 M
- 1702002605** Power Cable EU Plug 1.8 M
- 1702031801** Power Cable UK Plug 1.8 M
- 1702031836** Power Cable China/Australia Plug 1.8 M

Rear View

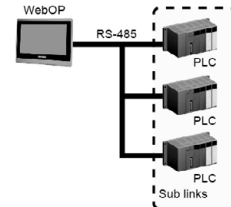


Communication Links

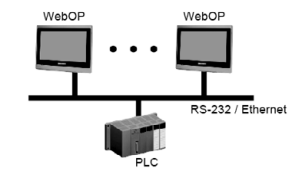
Direct Link 1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

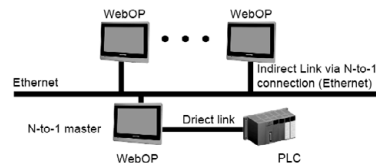


In-Direct Link

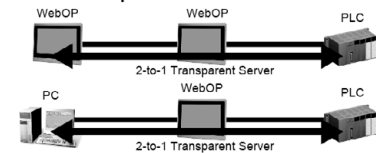
2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection



WebOP-2070T

7" WVGA Operator Panel with
WebOP Designer Software

NEW



Features

- Various LCD sizes (4.3" to 10.1")
- Supports ARM9-based CPUs with 200MHz and 128MB flash memory
- Supports RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through Serial, Ethernet, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- 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
- Supports over 300 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery
- Front panel is NEMA4/IP66 compliant

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

- **Certification** CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (WxHxD)** 188 x 143.3 x 30 mm (7.4" x 5.64" x 1.18")
- **Cut-out Dimensions** 175 x 132.5 mm (6.89" x 5.21")
- **Front Panel Thickness** 6mm
- **Operating System** HMI RTOS, WebOP Designer
- **Power Supply Voltage** 24V_{DC} ±10%
- **Power Consumption** 10W
- **Enclosure Housing** Plastic
- **Mounting** Panel
- **Weight (Net)** 0.6 kg (1.32 lbs)

System Hardware

- **CPU** RISC 32 bits, 200 MHz
- **Battery Backup Memory** 128KB
- **Flash Memory** 8MB/ 8MB + 128M NAND flash
- **Power-On LED** Yes
- **Communication LED** No
- **Front USB Access** No

Communication Interface

- **COM1** RS-232/422/485 (DB9 Female)
- **COM2** RS-422/485 (5-Pin Plug Connector)
- **COM3** RRS-232 (Com1: Pin5;7;8)
- **Ethernet (RJ45)** 10/100-BaseT (for N2AE model)
- **I/Os**
 - USB Client Yes
 - USB Host Yes
 - Micro-SD Slot Yes (for N2AE model)

LCD Display and Touchscreen

- **Display Type** WVGA TFT LCD
- **Display Size** 7"
- **Max. Resolution** 800 x 480
- **Max. Colors** 65,536 colors
- **Luminance (cd/m²)** 300
- **Backlight Life** LED, 20,000 hrs
- **Dimming** Adjustable by touch panel
- **Touchscreen** 4 wire analog resistive

Environment

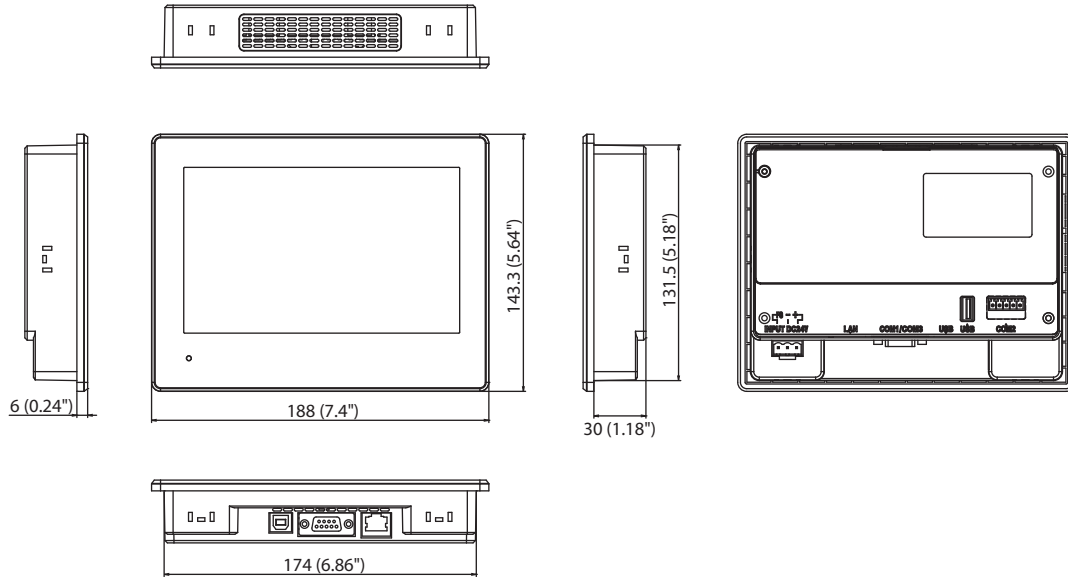
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity** 10 ~ 90% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP66
- **Vibration Protection** Operating, random vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

- **WOP-2070T-S2AE** 7" WVGA, 64MB (SDRAM), 8MB (NOR)
- **WOP-2070T-N2AE** 7" WVGA, 64MB (SDRAM), 8MB (NOR) & 128MB (NAND)

Dimensions

Unit: mm

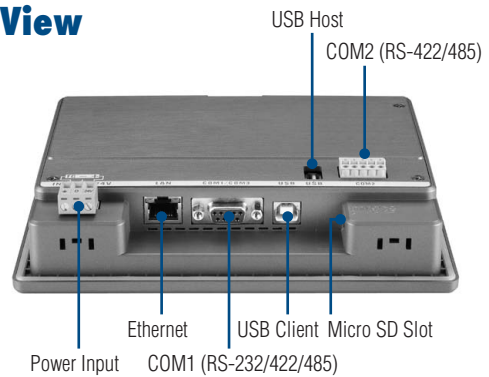


Panel Cut Out Dimensions: 175 x 132.5mm (6.89" x 5.21")

Accessories

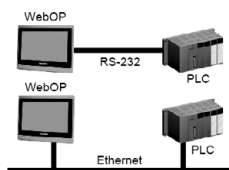
- CWOP-P2HFM-AD12E** PC to HMI program download cable, DB9/2m
- CWOP-P2HAB-ADU2E** PC to HMI program download cable, USB/2m
- PWR-247-AE** 24 V 50 W AC-DC Power Adapter
- 1702002600** Power Cable US Plug 1.8 M
- 1702002605** Power Cable EU Plug 1.8 M
- 1702031801** Power Cable UK Plug 1.8 M
- 1702031836** Power Cable China/Australia Plug 1.8 M

Rear View

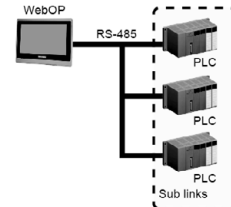


Communication Links

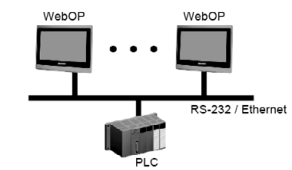
Direct Link 1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

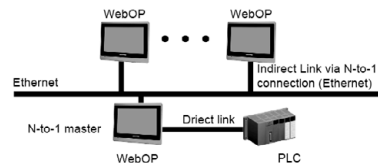


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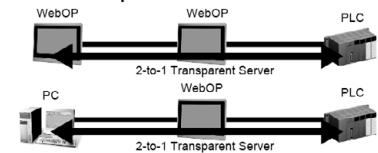
2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection



WebOP-2080T

8" SVGA Operator Panel with
WebOP Designer Software

NEW



Features

- Various LCD sizes (4.3" to 10.1")
- Supports ARM9-based CPUs with 200MHz and 128MB flash memory
- Supports RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through Serial, Ethernet, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- 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
- Supports over 300 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery
- Front panel is NEMA4/IP66 compliant

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

- **Certification** CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (WxHxD)** 231.5 x 174.6 x 37 mm (9.11" x 6.87" x 1.46")
- **Cut-out Dimensions** 221 x 164 mm (8.70" x 6.46")
- **Front Panel Thickness** 6 mm
- **Operating System** HMI RTOS, WebOP Designer
- **Power Supply Voltage** 24V_{DC} ±10%
- **Power Consumption** 10W
- **Enclosure Housing** Plastic
- **Mounting** Panel
- **Weight (Net)** 0.93 kg (2.05 lbs)

System Hardware

- **CPU** RISC 32bits, 200MHz
- **Battery Backup Memory** 128KB
- **Flash Memory** 8MB/ 8MB + 128M NAND flash
- **Power-On LED** Yes
- **Communication LED** No
- **Front USB Access** No

Communication Interface

- **COM1** RS-232/422/485 (DB9 Female)
- **COM2** RS-422/485 (5-Pin Plug Connector)
- **COM3** RS-232 (Com1: Pin5;7;8)
- **Ethernet (RJ45)** 10/100-BaseT (for N2AE model)
- **I/Os**
 - USB Client Yes
 - USB Host Yes
 - Micro-SD Slot Yes (for N2AE model)

LCD Display and Touchscreen

- **Display Type** SVGA TFT LCD
- **Display Size** 8"
- **Max. Resolution** 800 x 600
- **Max. Colors** 65,536 colors
- **Luminance (cd/m²)** 250
- **Backlight Life** LED, 30,000 hrs
- **Dimming** Adjustable by touch panel
- **Touchscreen** 4 wire analog resistive

Environment

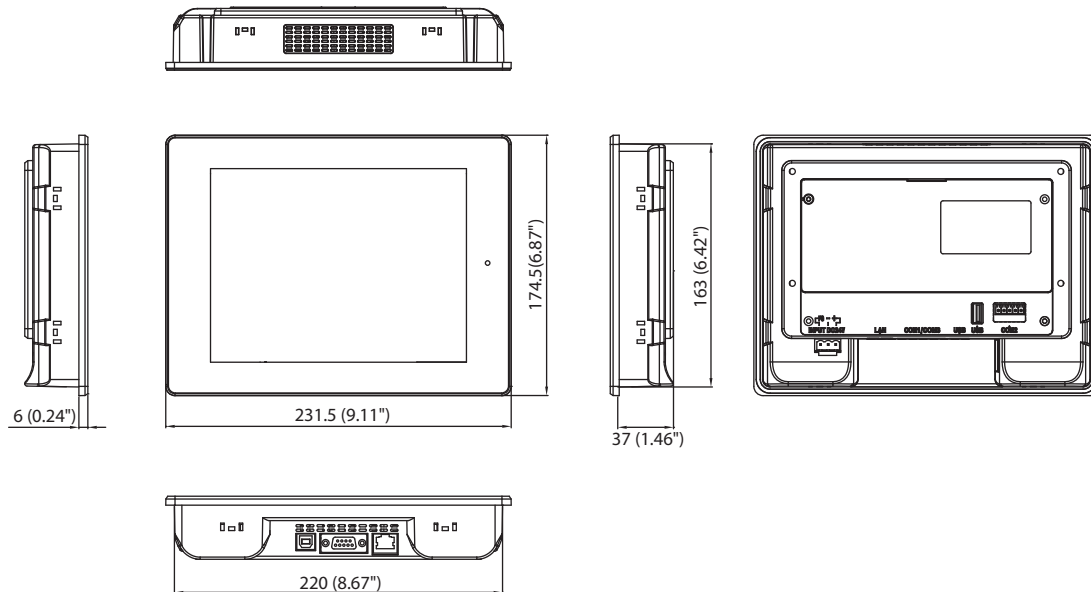
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity** 10 ~ 90% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP66
- **Vibration Protection** Operating, random vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

- **WOP-2080T-S2AE** 8" SVGA, 64MB (SDRAM), 8MB (NOR)
- **WOP-2080T-N2AE** 8" SVGA, 64MB (SDRAM), 8MB (NOR) & 128MB (NAND)

Dimensions

Unit: mm

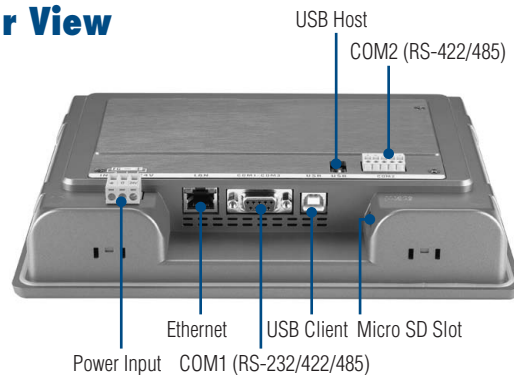


Panel Cut-out Dimensions: 221 x 164 mm (8.70" x 6.46")

Accessories

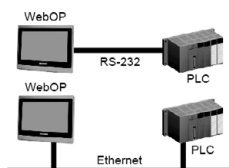
- **CWOP-P2HFM-AD12E** PC to HMI program download cable, DB9/2m
- **CWOP-P2HAB-ADU2E** PC to HMI program download cable, USB/2m
- **PWR-247-AE** 24 V 50 W AC-DC Power Adapter
- **1702002600** Power Cable US Plug 1.8 M
- **1702002605** Power Cable EU Plug 1.8 M
- **1702031801** Power Cable UK Plug 1.8 M
- **1702031836** Power Cable China/Australia Plug 1.8 M

Rear View

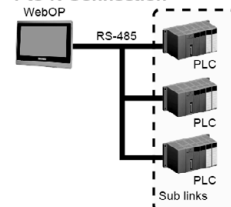


Communication Links

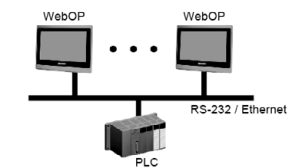
Direct Link 1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

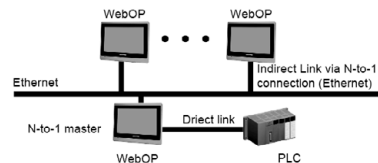


In-Direct Link

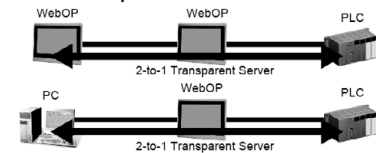
2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection



WebOP-2100T

10.1 WSVGA Operator Panel with WebOP Designer Software

NEW



Features

- Various LCD sizes (4.3" to 10.1")
- Supports ARM9-based CPUs with 200MHz and 128MB flash memory
- Supports RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through Serial, Ethernet, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- 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
- Supports over 300 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery
- Front panel is NEMA4/IP66 compliant

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

- **Certification** CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (WxHxD)** 269.8 x 212 x 37.4mm (10.62" x 8.35" x 1.47")
- **Cut-out Dimensions** 259.5 x 201.5 mm (10.22" x 7.93")
- **Front Panel Thickness** 6mm
- **Operating System** HMI RTOS, WebOP Designer
- **Power Supply Voltage** 24V_{DC} ±10%
- **Power Consumption** 10W
- **Enclosure Housing** Plastic
- **Mounting** Panel
- **Weight (Net)** 1.2 kg (2.64 lbs)

System Hardware

- **CPU** RISC 32bits, 200MHz
- **Battery Backup Memory** 128KB
- **Flash Memory** 8MB/ 8MB + 128M NAND flash
- **Power-On LED** Yes
- **Communication LED** No
- **Front USB Access** No

Communication Interface

- **COM1** RS-232/422/485 (DB9 Female)
- **COM2** RS-422/485 (5-Pin Plug Connector)
- **COM3** RS-232 (Com1: Pin5;7;8)
- **Ethernet (RJ45)** 10/100-BaseT (for N2AE model)
- **I/Os**
 - USB Client Yes
 - USB Host Yes
 - Micro-SD Slot Yes (for N2AE model)

LCD Display and Touchscreen

- **Display Type** WSVGA TFT LCD
- **Display Size** 10.1"
- **Max. Resolution** 1024 x 600
- **Max. Colors** 65,536 colors
- **Luminance (cd/m²)** 250
- **Backlight Life** LED, 20,000 hrs
- **Dimming** Adjustable by touch panel
- **Touchscreen** 4 wire analog resistive

Environment

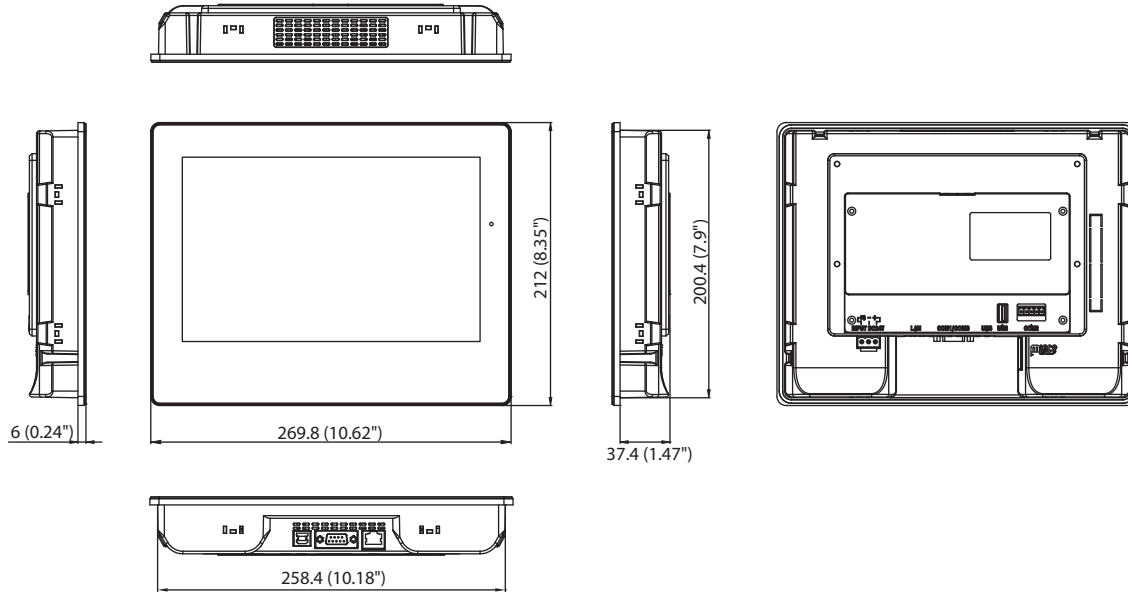
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity** 10 ~ 90% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP66
- **Vibration Protection** Operating, random vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

- **WOP-2100T-S2AE** 10.1" WSVGA, 64MB (SDRAM), 8MB (NOR)
- **WOP-2100T-N2AE** 10.1" WSVGA, 64MB (SDRAM), 8MB (NOR) & 128MB (NAND)

Dimensions

Unit: mm

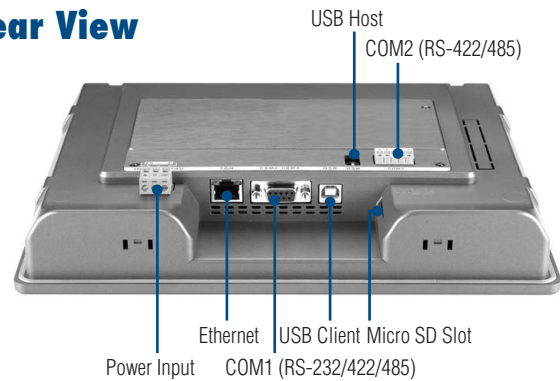


Panel Cut-out Dimensions: 259.5 x 201.5 mm (10.22" x 7.93")

Accessories

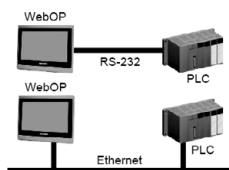
- CWOP-P2HFM-AD12E** PC to HMI program download cable, DB9/2m
- CWOP-P2HAB-ADU2E** PC to HMI program download cable, USB/2m
- PWR-247-AE** 24 V 50 W AC-DC Power Adapter
- 1702002600** Power Cable US Plug 1.8 M
- 1702002605** Power Cable EU Plug 1.8 M
- 1702031801** Power Cable UK Plug 1.8 M
- 1702031836** Power Cable China/Australia Plug 1.8 M

Rear View

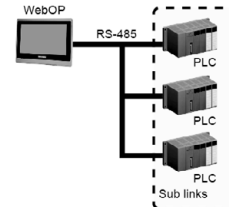


Communication Links

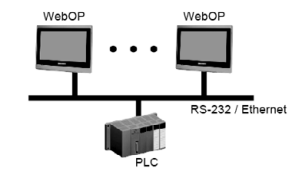
Direct Link 1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

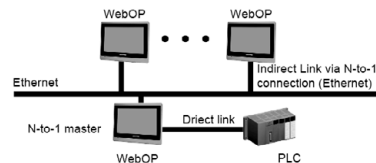


In-Direct Link

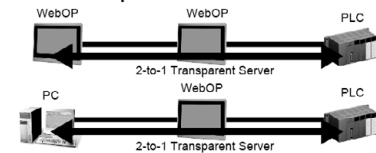
2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection



WebOP-2121V

12.1" SVGA Operator Panel with WebOP Designer Software



Features

- Various LCD sizes (3.5", 5.7", 7", 8", 10.4", 12.1")
- Supports ARM9-based CPUs with 70~200MHz and 4~16M flash memory size
- Supports RTC, battery backup RAM, and Ethernet-based operator panels
- Supports runtime data downloads through Serial, Ethernet, USB
- Supports adjustable brightness controls via touch panel
- Reliable firmware for 24/7 operation
- 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
- Supports over 300 PLC industrial communication protocols
- Communicates with up to four types of devices
- Panel mounting for machinery

Introduction

To satisfy the stringent standards required in the automation market, especially packaging, label slitting, and motion-based robot dispensing, Advantech offers the WebOP-2000 series which are designed with ARM9-based RISC CPU with 70~200MHz and 4~16MB flash memory size for application software. The WebOP-2000 series also support a variety of LCD size from 3.5" to 12.1" for different applications involving the use of PLCs, motion/thermal controllers, inverters and sensors. WebOP Designer is 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. The WebOP-2000 series is bundled with WebOP Designer offering an outstanding price performance ratio for various markets such as conventional operator panels, HMI + Low mini SCADA systems, and HMI + communication gateways.

Specifications

General

- **Certification** CE, BSMI, CCC, UL, FCC Class A
- **Dimensions (WxHxD)** 315 x 241 x 54.5 mm (12.4" x 9.48" x 2.14")
- **Cut-out Dimensions** 301.5 x 228 mm (11.87" x 8.97")
- **Front Panel Thickness** 6mm
- **Operating System** HMI RTOS, WebOP Designer
- **Power Supply Voltage** 24V_{DC} ±10%
- **Power Consumption** 25W
- **Enclosure Housing** Plastic
- **Mounting** Panel
- **Weight (Net)** 1.55 kg (3.41 lbs)

System Hardware

- **CPU** RISC 32bits, 200MHz
- **Battery Backup Memory** 128KB
- **Flash Memory** 16MB
- **Power-On LED** Yes
- **Communication LED** COM1, COM2 and COM3
- **Front USB Access** No

Communication Interface

- **COM1** RS-232/422/485 (DB9 Female)
- **COM2** RS-232/422/485 (DB9 Male & 5-Pin Plug Connector)
- **COM3** RS-232 (6-Pin Plug Connector)
- **Ethernet (RJ45)** 10/100-BaseT
- **I/Os**
 - USB Client No
 - USB Host Yes
 - Micro-SD Slot No

LCD Display and Touchscreen

- **Display Type** SVGA TFT LCD
- **Display Size** 12.1"
- **Max. Resolution** 800 x 600
- **Max. Colors** 65,536 colors
- **Luminance (cd/m²)** 350
- **Viewing Angle (H/V°)** 130/110
- **Backlight Life** CCFL, 30,000
- **Dimming** Adjustable by touch panel
- **Touchscreen** 8 wire analog resistive

Environment

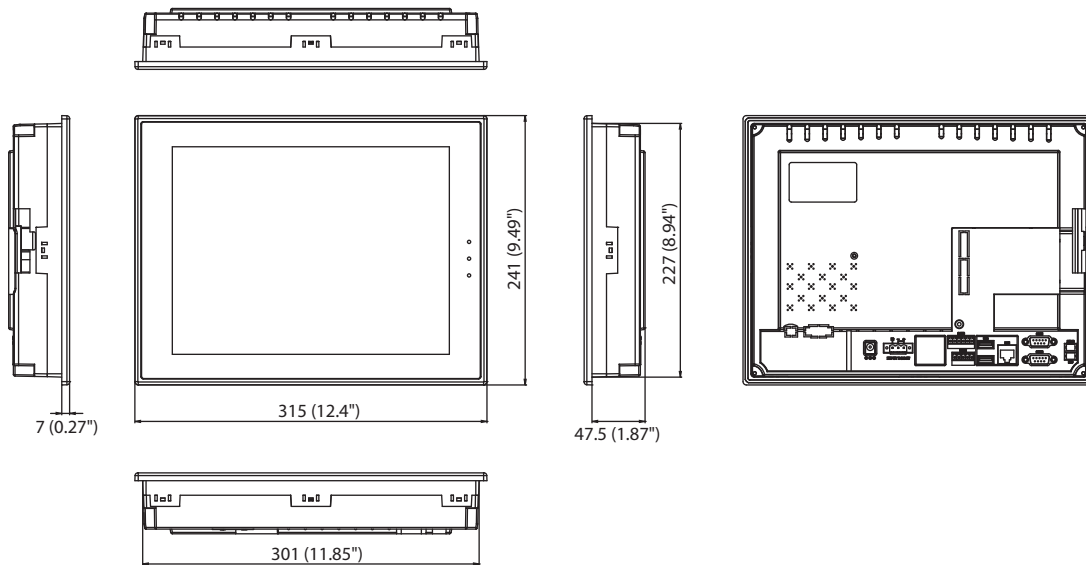
- **Operating Temperature** 0 ~ 50°C (32 ~ 122°F)
- **Storage Temperature** -20 ~ 60°C (-4 ~ 140°F)
- **Humidity** 10 ~ 95% RH @ 40°C, non-condensing
- **Ingress Protection** Front panel: NEMA4, IP65
- **Vibration Protection** Operating, random vibration 1 Grms (5 ~ 500 Hz)

Ordering Information

- **WOP-2121V-N4AE** 12.1" SVGA, 16MB, RS-232/422/485, Ethernet

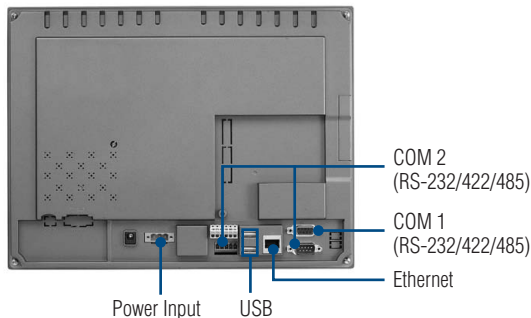
Dimensions

Unit: mm

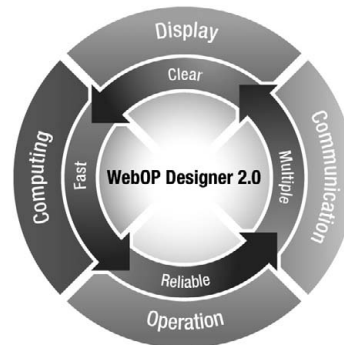


Panel Cut-out Dimensions: 301.5 x 228 mm (11.87" x 8.97")

Rear View

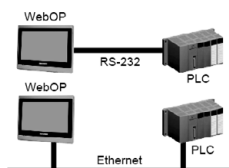


HMI Development Software Features

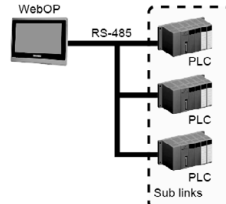


Communication Links

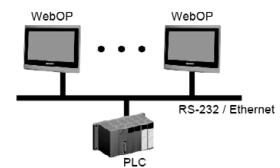
Direct Link 1-to-1 Connection



1-to-N Connection



N-to-1 Data Sharing Connection

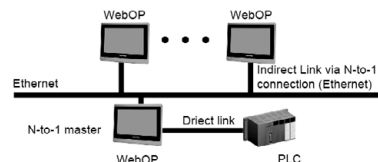


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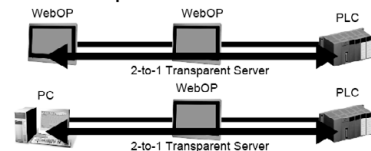
2-to-1 Connection



N-to-1 Connection



2-to-1 Transparent Connection



- 1 Motion Control
- 2 Hazardous Location
- 3 Energy Automation
- 4 Building Automation Systems
- 5 Automation Software
- 6 Operator Panels
- 7 Automation Panel PCs
- 8 Industrial Monitors
- 9 Industrial Ethernet
- 10 Device Servers & Gateways
- 11 Serial Communication Cards
- 12 Embedded Auto. Computers
- 13 PACs
- 14 M2M I/O
- 15 Distributed Nano Controllers
- 16 RS-485 I/O
- 17 Ethernet I/O
- 18 DAQ Boards

Supported PLC Controllers

Communication Port (COM)

Brand	Model	Driver
A&D Company Ltd.	AD-4401 Weighing Indicator	CAD401
ABIDO Automation Co., Ltd.	ACR420 984 Device/Slave (RTU)	c2c032
ADLEE POWERTRONIC CO., LTD.	MS/AP/AS Series Inverter (RTU)	CAPINV
	BL/D305 Series (RTU)	CAPIPM
	Null PLC	C00001
Advantech	ADAM (Modbus RTU)	CA2C31
	ADAM-4011 (ASCII)	CM4011
	ADAM-4012 (ASCII)	CM4012
	ADAM-4013 (ASCII)	CM4013
	ADAM-4016 (ASCII)	CM4016
	ADAM-4017 (ASCII)	CM4017
	ADAM-4018+ (ASCII)	CM4018P
	ADAM-4019 (ASCII)	CM4019
	ADAM-4021 (ASCII)	CM4021
	ADAM-4050 (ASCII)	CM4050
	ADAM-4052 (ASCII)	CM4052
	ADAM-4053 (ASCII)	CM4053
	ADAM-4056 (ASCII)	CM4056
AIGO Technologies Corporation	ADAM-4060 (ASCII)	CM4060
	ADAM-4080 (ASCII)	CM4080
Allen Bradley	SE500 Series (Modbus RTU)	C87001
	Micrologix 1000/1500	C10001
	SLC 5/03, 5/04	C10002
	DH-485 (COM)	C10003
	PLC-5	C10005
ARICO Technology	SLC 5/03, 5/04 (CRC)	C10006
	FC Type (Modbus)	Carfc01
Astraada HMI	Modbus Master (RTU)	C2C024
	Modbus Device/Slave (RTU)	C2C034
	Modicon Device/Slave (RTU, Quantum)	C2C084
	Modbus Master (RTU; Non-volatile slave data)	C2C124
Automation Technology Co., Ltd.	BLDC NLV/KLV Series	CAK200
Banner Engineering Int'l Inc.	BSP01 Series	Cbann1
Bosch Rexroth Group	Convo CVF-MN3 (RS485 Model)	C49001
CAPAC	TC	CCAP01
CHINO Corporation	DB1000 Digital Indicating Controller (ASCII)	CCDB1k
CMZ Sistemi Elettronici	NFO Controllers	CCMZ051
	FCT Controllers	CCMZ151
	SD Drivers	Ccmz251
	SDS Drivers	Ccmz351
	MDM Drivers	CCMZ451
CTB Technologies Corporation	IMS Servo Controller	CAA001
Danfoss Group	VLT 2800 Series (FC Protocol)	CDAVLT
DEIF A/S	Modbus RTU (COM port)	C2C082
Delta Corporation	DVP-ES/SS/EP/EH	C16001
	DVP-ES/SS/EP/EH (No block read)	C16002
	VFD-M Inverter (ASCII)	C16011
	VFD-B Inverter (ASCII)	C16021
	DTC1000/2000 Temperature (ASCII)	C16031
	ASDA-A Servo Controller (ASCII)	C16041
	ASDA-B Servo Controller (ASCII)	C16051
	ASDA-A2 Servo Controller (ASCII)	C16061
	DRS2000 Series Inverter	C15101
Dirise Electric Technology Co., Ltd.	DRS2800 M Series Inverter	C15111
Emerson Network Power	EC Series (RTU)	C81001
Epson Corporate	EV1000 Series Variable Speed Driver	C81011
	Epson LQ Matrix Printer	CEPSON1
Eura Drivers Electric Corp.	Eura EF1S/1N	C5A001
	Eura EF2N	C5A002
	Eura Inverter (Modbus RTU)	C5A003
	Eura Inverter (Modbus ASCII)	C5A004
	Eura EF200-CPU202 (Modbus RTU)	C5A005
	Eura EF200-CPU202XP/CPU204 (Modbus RTU)	C5A006
	Eura EF200-CPU204XP/CPU206 (Modbus RTU)	C5A007
	Eura EF300-CPU304 (Modbus RTU)	C5A008
	Eura EF300-CPU306 (Modbus RTU)	C5A009
	FATEK FBs/FBe	C1A001
	FPC/FEC Series	C1C001
Fatek Automation Corp.	NB Series	C1D001
Fuji Electric Corporation	PXR Series Temperature (RTU)	C1D011
	FRENIC-VP (RTU)	C1D021
	FRENIC5000G11/P11 (Fuji)	C1D031
	FRENIC-Mini/Eco/Multi/Mega (RTU)	C1D051

Brand	Model	Driver
FKV Automation Co., Ltd.	F Series Inverter	CFDSR01
GE Corporation	90 Series SNP	C1E001
	VersaMax Series (SNP)	C1E002
	90 and RX3i Series (SNP)	C1E003
	90 Series CCM	C1E011
Gigarise Technology Co., Ltd.	SE5000	C87002
Gigarise Technology Co., Ltd.	GA400 Temperature (RTU)	C90012
GOFAST Corporation	NC Series	C42002
Haiwell Technology Co., Ltd.	HW Series (RTU)	CHW001
Hanbell Precise Machinery Co., Ltd.	Air Screw Compressor	CHANASC
Hitachi Industrial Equipment Systems Co., Ltd.	SJ200 Inverter	C1F001
	H/EH Series	C1F020
	EHV Series (Procedure 1)	C1F021
	H-252C	C1F022
Hitech	AD Series Servo Drives	CHA04LS
	Computer as Slave (COM)	C02001
	Computer as Master (COM)	C02011
	Computer as Slave V2 (COM)	C02021
HOLIP ELECTRONIC TECHNOLOGY CO., LTD	Computer as Master V2 (COM)	C02031
Honeywell	HLP-C+/CP	CHLP01
Honeywell	BACnet/MSTP	cbacmst
Honeywell	BACnet	cbacnet
Hunjoen Electronic Co., Ltd.	H_Tech PID CONTROLLER	CHtech1
HUST Automation Inc.	CNC Controller	CHCNC
Idec Corporation	FC Series	C22001
IECCO	Sinus Penta Inverter (RTU)	Ciecco
Inovance Control Technology Co., Ltd.	H2u (CPU Port)	C2B042
	MD Series Inverter (RTU)	C2C054
	MD Series Inverter (RTU-1)	C2C055
	IS Servo (RTU)	CIIS01
Integrated Flow Systems	iPurge Source Controller	CIF001
Invt Auto-Control Technology	IVC Series	C81003
JETTER	NANO Series	C24001
JETTER	JetControl 24x Series	C24011
Keyence Corp.	KV Series	c25001
	KV-1000	c25011
	KV-L20V	c25021
Klockner Moeller Corporation	PS4-201-MM1	C26001
	SUCONET K	CSUK01
Koyo Electric Corp.	K Sequence Series	C27001
	Direct Logic Series	C27011
	Direct 06 Series (K Sequence)	C27021
	Direct 06 Series (DirectNET)	C27031
Lenze Drive Systems GmbH	93xx Servo Controllers (LECOM A/B)	CLZ001
LG Industrial Systems	Master-K Series CNet	C28001
	K120S CPU Port	C28011
	Master-K Loader	C28012
	GLOFA GM Series CNet	C28021
	XBM-DR16S	C28031
	GLOFA GM Loader	C28041
	XEC/XGI CNet	C28051
	XGT/XGK (CPU)	C28061
	XGL-C22A	C28071
LG System	LGA Series (as Slave)	CLGLGA
	LGA Series (as Master)	CLGLGB
Liyan Electric Industrial Ltd.	EX Series (CPU Port)	C2B141
Lust Antriebstechnik GmbH	LustBus ServoC/CDE Series	CLust1
	LustBus CDD Series	CLust2
Matsushita Electric Works	FP Series Computer Link	C29001
	VFOC Series Inverter	C29011
	VF100 Series Inverter	C29012
Maxtech	MC2 PID Controller	C85001
Maxthermo	MC 5738 (RTU)	C86001
Mean Well Enterprises Co., Ltd.	PRETA	CMSMTN
Megmeet	MC Series (RTU)	C81002
Micro Trend Corporation	UTC Servo Controller	C91001
Mirle Automation Corporation	nDX Controller	C2A001
	Melsec-FX (CPU Port)	C2B001
	Melsec-Q/QnA (Link Port)	C2B011
	Melsec-Q00/01 (CPU Port)	C2B012
	Melsec-Q02H (CPU Port)	C2B021
	Melsec-Q02 (CPU Port)	C2B022
	Melsec-Q02U (CPU Port)	C2B023

Communication Ports (COM)

Brand	Model	Driver
Mitsubishi Electric Corp.	Melsec-Q00J (CPU Port)	C2B031
	Melsec-FX2n (CPU Port)	C2B041
	Melsec-FX3U (CPU Port)	C2B051
Mitsubishi Electric Corp.	Melsec-FX3U (Link Port)	C2B052
	Melsec-AnN/AnS (Link Port)	C2B061
	FX2n-10GM/20GM	C2B071
	Melsec-A1S/A2S (CPU Port)	C2B081
	FR-E500 Series (485)	C2B091
	Melsec-A3N/A1SH (CPU Port)	C2B0A1
	Melsec-AnA/AnU (Link Port)	C2B151
	Servo Amplifier MR-J2S-A	C2B161
	Servo Amplifier MR-J3-A	C2B162
	Melsec-A2A/A2AS (CPU Port)	C2B171
	Melsec-Q06H (CPU Port)	C2B181
	Melsec-Q12H (CPU Port)	C2B182
	Melsec-Q00U (CPU Port)	C2B191
	GOT-F900 Emulator (1:1 Format 1 & 2)	C2B201
	Melsec-Q01U (CPU Port)	C2B291
Mitutoyo Corporation	EV Linear Gage Counter (ASCII)	CMITDEV
	Modicon 984 Master (RTU)	C2C021
Modicon Corp.	Modicon 984 Master (RTU; Little Memory)	C2C022
	Modicon 984 Device/Slave (RTU)	C2C031
	Modbus Master (ASCII)	C2C061
	Modbus Master (ASCII; Little Memory)	C2C062
	Modbus Device/Slave (ASCII)	C2C071
	Modicon Device/Slave (RTU, Quantum)	C2C081
	TSX Premium (Uni-Telway)	C2C0A1
	TSX Quantum (Uni-Telway)	C2C0B1
	Twido (Modbus RTU)	C2C0C1
	Modbus Master (RTU; Non-volatile slave data)	C2C121
	Modbus Master (ASCII; Non-volatile slave data)	C2C161
MTC	MTC96 Controller (Modbus ASCII)	C93001
Muscle Corporation Inc.	Cool Muscle CM1-17L30	CCM117L
MyTech	VL-CX: Melsec-FX2n (CPU Port)	CN2B41
Newtop Co., Ltd.	PSTC (Temperature Controller)	C80001
	PSBD (Brushless Driver)	C80002
	PSSD (Stepping Driver)	C80003
	PSMC (Motion Controller)	C80004
	PSNC (Embedded NC)	C80005
Omron Corporation	Sysmac C Series Host Link	C2D001
	Sysmac CV Series Host Link	C2D011
	Sysmac CS/CJ Series Host Link	C2D021
	Sysmac CS/CJ Series (FINS)	C2D022
	Sysmac CP Series (FINS)	C2D023
	ESCN Temperature (CompoWay/F)	C2D041
	ESCN Temperature (Modbus RTU)	C2D051
	EJ1 Temperature (CompoWay/F)	C2D061
	KM100 (CompoWay/F)	C2D071
	3G3MV Inverter (RTU)	c2D081
Pan-Globe Corp.	E9 Temperature Series	C90001
	E904 Temperature (RTU)	C90011
	HT Series Temperature Controller	C90021
Panasonic Corporation	MINAS A4 Series	CPANA4
	Null PLC	C00000
PanelMaster	N-to-1 Master (COM)	C01001
	Multi-drop Client (COM)	C01011
	General Device (COM)	C01051
	2-to-1 Server (COM)	C01061
	2-to-1 Transparent Server (COM)	C01062
	2-to-1 Client (COM)	C01071
	Serial Gateway Server	C010C1
	Data Sharer (RS485)	C01S01
	Modbus Master (RTU)	C2C041
	Modbus Master (RTU; Little Memory)	C2C042
	Modbus Master (RTU; Non-volatile slave data)	C2C043
	Modbus Device/Slave (RTU)	C2C051
	Modbus Device/Slave (Word order in big-endian)	C2C052
	Modbus Device/Slave (RTU; No block read)	C2C053
	Modbus Device/Slave (RTU, 30Words)	C2C056
	Modbus Device/Slave (ASCII)	C2C091
	Modbus Device/Slave (ASCII; No block read)	C2C093
	Barcode Scanner	cbcode
	Epson Matrix Printer	CEPSO00

Brand	Model	Driver
PanelMaster	PC Series PLC Module	M00001
Parker Hannifin	Compax3	C32001
PORIS	XC Modbus RTU	C2C033
RICH Electric Co., LTD.	EI-500 Series (RTU)	CEI500
	EI-9001 Series (RTU)	CEI9001
RKC Instrument Inc.	MA900/CB900 Series (RTU)	C82001
	CD/CH Series (ASCII)	C82002
Saia Burgess	PCD Series (S-Bus PGU)	C31001
	PCD Series (S-Bus, Data Mode)	C31003
Samwon Technology	NOVA Series (RTU)	C88001
Schneider Electric	ATV31 Inverter (RTU)	C2C057
	Lexium 23 Servo Controller (ASCII)	C2C223
Sharp Corporation	JW10/20 Series	CSJW10
Shenzhen Step Servo Ltd.	Kinco Servo Controller	C50001
Shihlin Electric&Engineering Corp.	SH Inverter	CSSH01
SHIMAX CO., LTD.	MAC3 Series (RTU)	CSH01
	CPT-20A MODBUS DEVICE/SLAVE (ASCII)	CSCCT1
Shinko Technos Co., Ltd.	JCS-33A-R/M (Shinko Protocol)	CSJCS01
	JCS-33A-R/M (Modbus ASCII)	CSJCS11
Siemens AG	Simatic S7-200 (PPI; 1-to-1)	C39001
	Simatic S7-200 (PPI; Network)	C39011
	Simatic S7-300 (MPI Port)	C39021
	Simatic S7-300 (PC Adaptor)	C39031
	Simatic S5 3964R	C39041
	Simatic S5	C39051
	TP03 Series (Modbus RTU)	C51012
Taian Automation Co., Ltd.	TP02 Series	C51021
	TAIE FY100/900 Series (RTU)	CFY001
Taiwan Instrument & Control Co., Ltd.	TAIE FY100/900 Series (TAIE)	CFY002
	FY series DIGITAL PID CONTROLLER	CTAIEFY
Teco Electric & Machinery Co., Ltd.	TSDA Series AC Servo	C51001
	TP03 Series (Modbus RTU)	C51011
TESHOW ELECTRONIC.	TP02 Series	C51022
	TSTA Series AC Servo	C51031
Texas Instruments Incorporated	MY90V/MY40V Series (RTU)	CMY901
Thinget Electronic Co., Ltd.	TI505	CTI505
Tieon Electronics Co., Ltd.	XC Series Controller (RTU)	C89001
TOHO Electronics Inc.	IPC-03 Series (RTU)	C83001
	TTX-700 (Modbus RTU)	C3D001
TOKY ELECTRIC	TTM-000 Series (TOHO Protocol)	C3D002
	TTM-200 Series (TOHO Protocol)	C3D003
Toshiba Schneider Inverter Corporation	DW8-CD18B	CTDW80
Toshiba Schneider Inverter Corporation	TOSVERT VF Series (Modbus RTU)	C84001
Unitronics	Vision 120 Series (Modbus RTU)	C4A001
Vertex Technology Co., Ltd	VT26/30 Series Controllers (RTU)	CVVT26
Vigor Corporation	M/VB Series	C42001
	Null PLC	C00002
Vware	N-to-1 Master (COM)	C01002
	Multi-drop Client (COM)	C01012
	General Device (COM)	C01052
	Data Sharer (RS485)	C01S02
Wanfeng Electric	WF Series	CWF001
YABOS	Hospital System	CYHS01
	Dentists	CYHS02
YAMAHA MOTOR CO., LTD.	Single-axis Robot Controller ERCD	CYAECD
	SDC35/36 Temperature (RTU)	C44001
Yamatake Corporation	SDC35/36 Temperature (ASCII)	C44011
	MA500 FA Controller (ECL Host)	C44021
	DMC10 Controller (RTU)	C44031
	DMC10 Controller (ASCII)	C44041
	MX30	CYaMX30
	MX50	CYaMX50
Yaskawa Corporation	Σ-II SGM/H Series AC Servo	C45001
	MP Series Controller (Memobus)	C45011
	V7 inverter (Memobus)	C45021
	NS600 Servo Controller	C45031
YE-LI ELECTRIC & MACHINERY Co., Ltd.	YPV Servo Controller	cyeli1
	YJD Servo Controller	cyeli2
Yokogawa Electric Corporation	FA-M3 Series (CPU Port)	C46001
Yudian Automation Technology Ltd.	AI-7048 (AiBus)	C47001
	AI518/708/808/518P/708P/808P Controller (AiBus)	C47011
Zhuhai Motion Control Motor Co., Ltd.	BP Series PSDA driver (RTU)	C2CBP1

1
Motion Control

2
Hazardous Location

3
Energy Automation

4
Building Automation Systems

5
Automation Software

6
Operator Panels

7
Automation Panel PCs

8
Industrial Monitors

9
Industrial Ethernet

10
Device Servers & Gateways

11
Serial Communication Cards

12
Embedded Auto. Computers

13
PACs

14
M2M I/O

15
Distributed Nano Controllers

16
RS-485 I/O

17
Ethernet I/O

18
DAQ Boards

Supported PLC Controllers

Communication Port (Ethernet)

Brand	Model	Driver
Advantech	ADAM-6017 ModBus Device/Slave (TCP/IP)	CM6017
	ADAM-6018 ModBus Device/Slave (TCP/IP)	CM6018
	ADAM-6050 ModBus Device/Slave (TCP/IP)	CM6050
	ADAM-6051 ModBus Device/Slave (TCP/IP)	CM6051
	ADAM-6052 ModBus Device/Slave (TCP/IP)	CM6052
	ADAM-6060 ModBus Device/Slave (TCP/IP)	CM6060
	ADAM-6066 ModBus Device/Slave (TCP/IP)	CM6066
Allen Bradley	MicroLogix 1000/1500 via 1761-NET-ENI	C10E01
	CompactLogix/ControlLogix Ethernet/IP Tag	C10E21
Astraada HMI	ModBus Master (TCP/IP)	C2C004
	ModBus Device/Slave (TCP/IP)	C2C014
	ModBus Master (TCP/IP; Type 2)	C2C104
	ModBus Device/Slave (TCP/IP; Type 2)	C2C114
CMZ Sistemi Elettronici	FCT Controllers(TCP/IP; Type 2)	CMZ111
DEIF A/S	TCP/IP Modbus (Ethernet port)	C2C112
EasyIO	EasyIO-30 (RTU)	CEI300
Fatek Automation Corp.	Fatek FBs/FBe (TCP)	C1A011
GE Corporation	SRTP Ethernet	c1E101
	SRTP Ethernet (Micro)	C1E102
Hitachi Industrial Equipment Systems Co., Ltd	EH/EHV Series (Ethernet; TCP)	C1F006
	EH/EHV Series (Ethernet; UDP)	C1F007
Honeywell	BACnet/IP	cbacip
JETTER	JetControl 24x Series (Ethernet)	C24012
Lenze Drive Systems GmbH	E94AYCEN GCI(TCP/IP) Protocol	CLZ003
Mirle Automation Corporation	Fama SoftPLC Ethernet	C19E01
	ModBus Device/Slave (TCP/IP)	C19E11
Mitsubishi Electric Corp.	Q Ethernet	C2BE11
	ModBus Master (TCP/IP)	C2C001
Modicon Corp.	ModBus Device/Slave (TCP/IP)	C2C011
	ModBus Master (TCP/IP; Type 2)	C2C101
	ModBus Device/Slave (TCP/IP; Type 2)	C2C111
	Sysmac CS/CJ Series FINS/TCP	C2DE01
Omron Corporation	N-to-1 Master (Ethernet)	C01021
	N-to-1 Slave (Ethernet)	C01031
	N-to-1 Client (Ethernet)	C01091
	TCP/IP Gateway Server	C010B1
	Data Sharer (UDP)	C01E01
	Ping	C0Ping
	Modbus Device/Slave (TCP/IP)	C2C211
	Internal Memory Server	C2C301
	Internal Memory	C2C311
	XC ModBus TCP	C2C012
PORIS	PCD Series (Ether-S-Bus)	C31007
Saia Burgess	Simatic S7-300 Ethernet Module (CP343)	C39E01
Siemens AG	SIMATIC S7 (Ethernet)	C39E02
	EPC-1000	C1EPC0
Vware	N-to-1 Master (Ethernet)	C01022
Vware	N-to-1 Slave (Ethernet)	C01032
WAGO Kontakttechnik GmbH & Co. KG	WAGO I/O-SYSTEM 750	CWAGO1
Yaskawa Corporation	ModBus Device/Slave (TCP/IP)	C45012
	Extended MEMOBUS	C45013
Yokogawa Electric Corporation	FA-M3 Series (UDP)	C46002
	FA-M3 Series (TCP)	C46003

Note:

* The listing brand names are in alphabetical order.

* Driver Programs may be updated at any time, please contact with your Advantech representative at any time to confirm latest information.

Key Features:

* High-performance discrete drive to support high data acquisition.

* The Communication speed of Simatic S7-300 (MPI port) can reach 187.5 kbps without adapter.