



WOP-200K Series HMI(Operator Panel)

Pericom AG

Moskau 314B CH 8262 Ramsen t 0041 52 740 00 55

Waldstr. 7 D 78262 Gailingen t 0049 7734 4870343

www.pericom.biz

info@pericom.biz

Various Data Visualization Applications for Operation Monitoring

General Operator Panels

WOP-200K



Powerful Connectivity for Comprehensive PLC Link

- Support over 550+ PLC Drivers cover 90% of global PLC controller device.
- Data Exchanger function easy exchange variety PLC controller data.
- MQTT function for easy connect to Azure/AWS/Ali/WISE-PaaS cloud.



Intuitive HMI for Machine Visualization

- Over 50 of screen objects can fulfill all types of HMI operating visualization
- Support 4 communication links for different devices
- Support data collection, alarm monitoring, recipe handling and logging history
- Up to 64 discrete and 64 analog alarm blocks



Robust and Reliable Hardware Design

- -15 ~ 65 °C wide operation temperature for variety field application.
- Isolation power input design and 20W low power consumption from 4.3"~15"
- Compliant with UL 61010-1 & UL 61010-2-201 certification (safety requirements for electrical equipment for measurement, control, and laboratory use)
- Front panel IP66 Ingress Protection.
- Reliable Real-Time O.S. reduce security issue.



IP66



HMI Navi



Industrial-Grade Design Assures Reliable Field Implementation

6 screen sizes ensure flexible installation in a variety of work environments



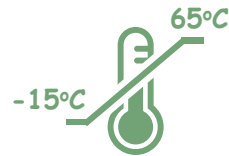
HMINavi



Conformal coating mother boards
increase 80% lifecycle



IP66-rated waterproof
front panel design



-15 ~ 65°C wide operating
temperature range



CE EN61000-6-2, EN61000-6-4
FCC Part 15 Class A



Safety certification UL & KCC
UL 61010-1 & UL 61010-2-201



Isolation power input
20W low power consumption



Reliable Real-Time OS
Reduces Security Issues

WOP HMI Products Lineup

WOP-200K-S Series: [Entry] HMI

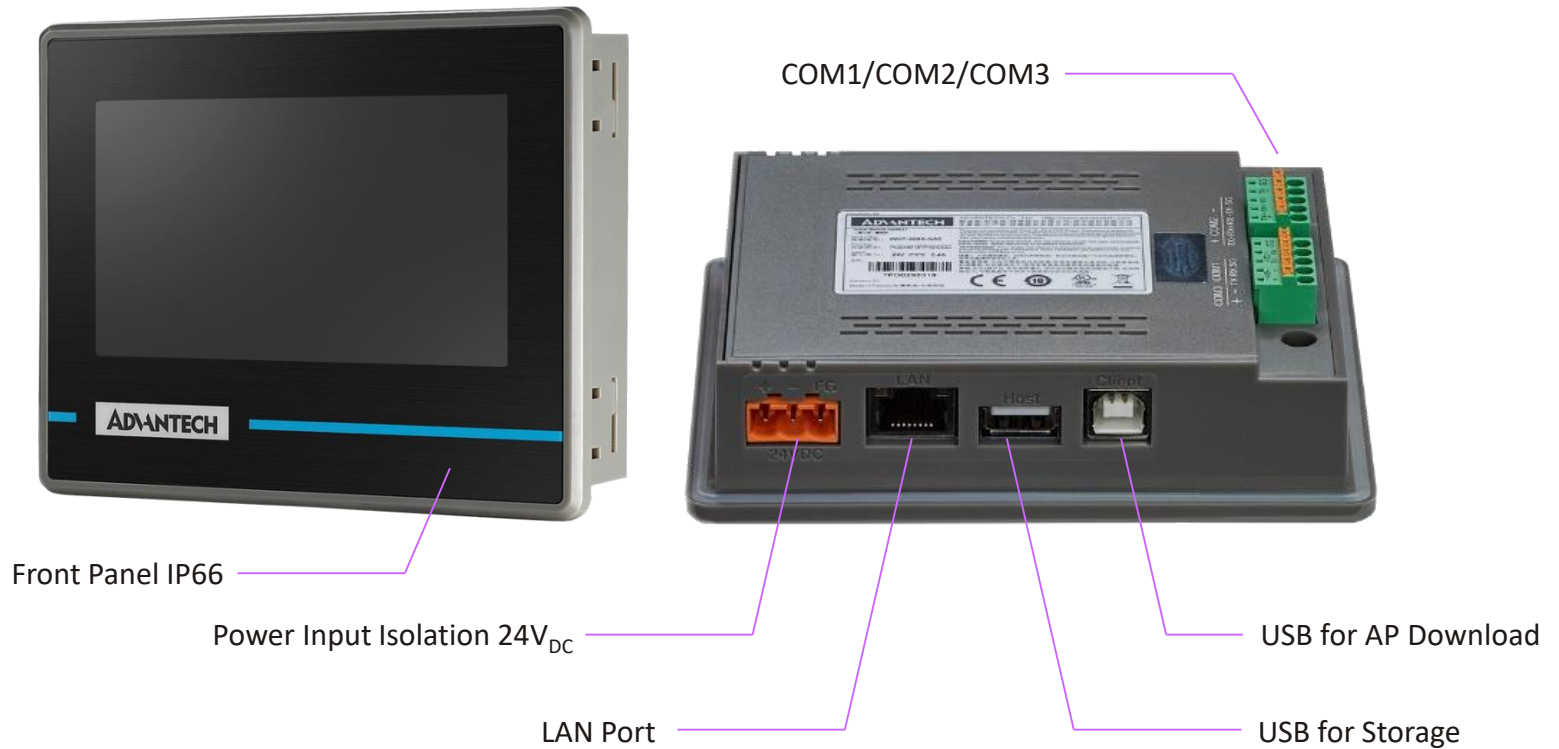
Model Name	Category	Ethernet Port (RJ45)	Serial Port (COM)	Color	Main Functions
WOP-204K-SAE	4.3" HMI	N/A	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer...
WOP-207K-SAE	7" HMI	N/A	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer...
WOP-210K-SAE	10.1" HMI	N/A	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer...

WOP-200K-N Series: [Standard] One Ethernet Port(RJ45) HMI

Model Name	Category	Ethernet Port (RJ45)	Serial Port (COM)	Color	Main Functions
WOP-204K-NAE	4.3" HMI	1	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer, VNC , MQTT ...
WOP-207K-NAE	7" HMI	1	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer, VNC , MQTT ...
WOP-208K-NAE	8" HMI	1	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer, VNC , MQTT ...
WOP-210K-NAE	10.1" HMI	1	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer, VNC , MQTT ...
WOP-212K-NAE	12" HMI	1	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer, VNC , MQTT ...
WOP-215K-NAE	15" HMI	1	3	66K(16-Bit)	Modbus/PLC Protocol, Data Transfer, VNC , MQTT ...

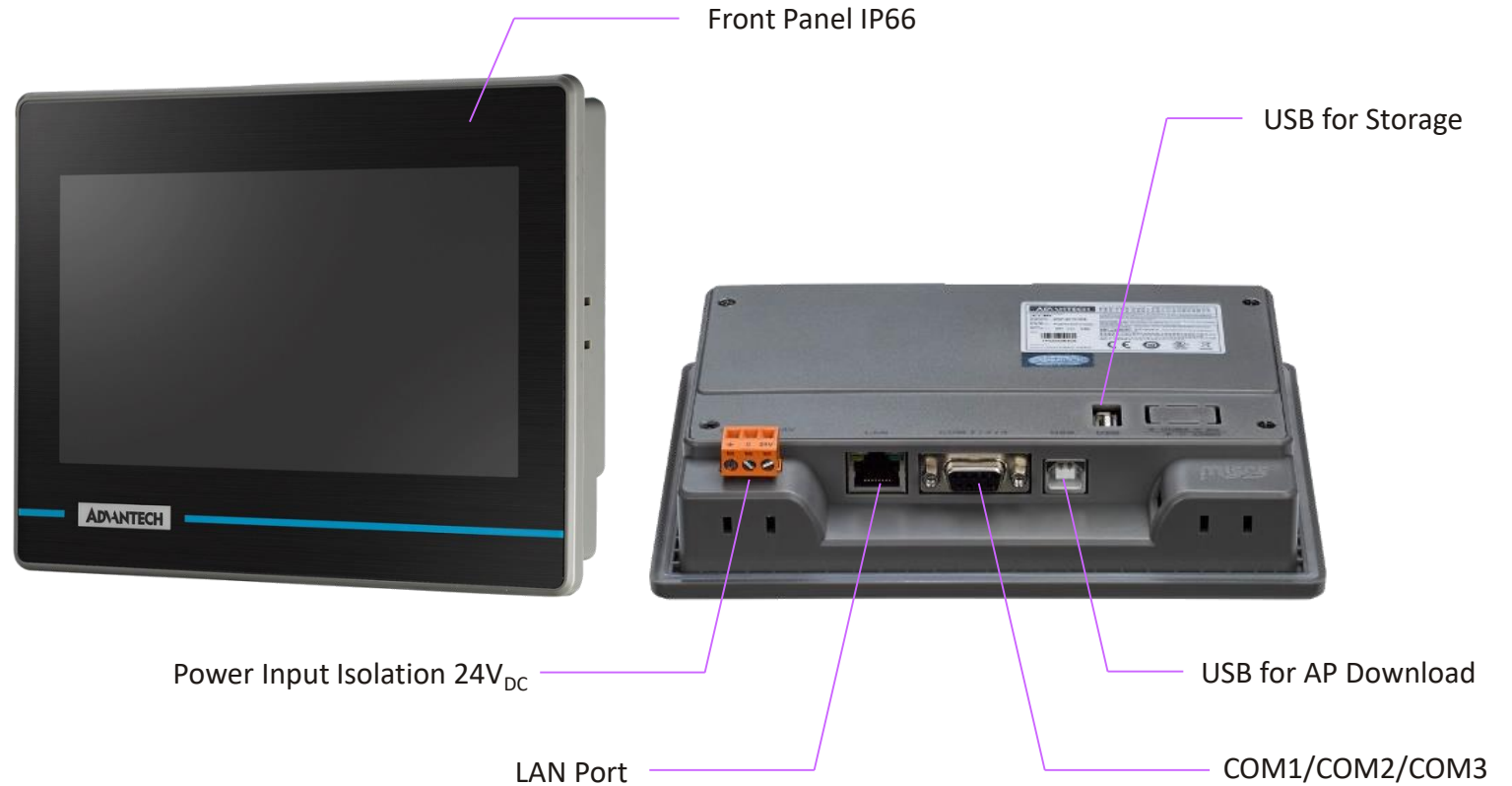
General Operator Panels – WOP-204K

Advantech Model & Ordering P/N		WOP-204K-NAE
CPU		RISC ARM9 32bits
Backup Memory		128KB
Working Memory		64 MB SDRAM
Storage		128M NAND Flash
Application Software	Operating System	HMI RTOS, HMINavi Designer V4.0
	Runtime Max Size	64 MB (in NAND Flash)
	Data Logger Max Size	64 MB (in NAND Flash)
	Max Programming Screen	7999 Pages
	Max Macro Commands	Unlimited
Display	Type	WQVGA(16:9) TFT LCD
	Size	4.3"
	Max. Resolution	480 x 272
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	USB Client	Yes
	USB Host	Yes
	Power Isolation	Yes
Power Supply Voltage		24VDC $\pm$ 10%
Power Consumption		10W
Dimension W x H x D (mm)		129 x 103 x 31.3mm (5.08" x 4.06" x 1.23")
Cut-out Dimension W x H (mm)		118.5 x 92.5mm (4.67" x 3.64")
Reliability Certification	Operating Temperature	-15 ~ 65° C (5 ~ 149° F)
	Humidity	95% RH @ 40° C
	Ingress Protection	Front panel: IP66
	CE	EN61000-6-2, EN61000-6-4
	EMI	FCC Part 15 Class A
	UL	UL61010-1, UL61010-2-201



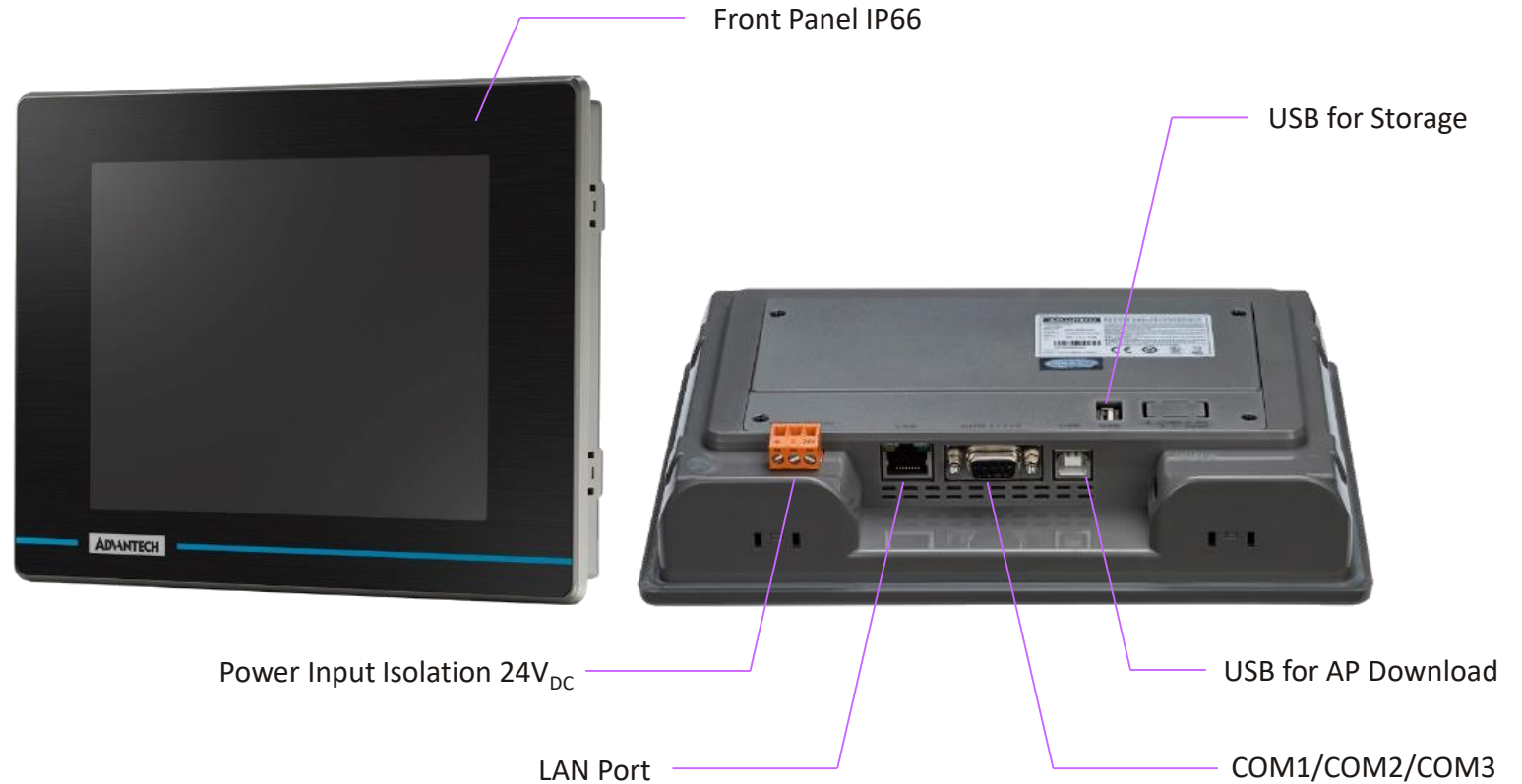
General Operator Panels – WOP-207K

Advantech Model & Ordering P/N		WOP-207K-NAE
CPU		RISC ARM9 32bits
Backup Memory		128KB
Working Memory		64 MB SDRAM
Storage		128M NAND Flash
Application Software	Operating System	HMI RTOS, HMINavi Designer V4.0
	Runtime Max Size	64 MB (in NAND Flash)
	Data Logger Max Size	64 MB (in NAND Flash)
	Max Programming Screen	7999 Pages
	Max Macro Commands	Unlimited
Display	Type	WVGA(16:9) TFT LCD
	Size	7"
	Max. Resolution	800 x 480
Communication Interface	COM1	RS-232 (DB9 Female)
	COM2	RS-422/485 (DB9 Female)
	COM3	RS-485 (DB9 Female)
	Ethernet (RJ45)	10/100-BaseT
I/Os	USB Client	Yes
	USB Host	Yes
	Power Isolation	Yes
Power Supply Voltage		24VDC $\pm$ 10%
Power Consumption		20W
Dimension W x H x D (mm)		189.6 x 144.9 x 36mm (7.46" x 5.70" x 1.42")
Cut-out Dimension W x H (mm)		175 x 132.5mm (6.89" x 5.22")
Reliability Certification	Operating Temperature	-15 ~ 65° C (5 ~ 149° F)
	Humidity	95% RH @ 40° C
	Ingress Protection	Front panel: IP66
	CE	EN61000-6-2, EN61000-6-4
	EMI	FCC Part 15 Class A
	UL	UL61010-1, UL61010-2-201



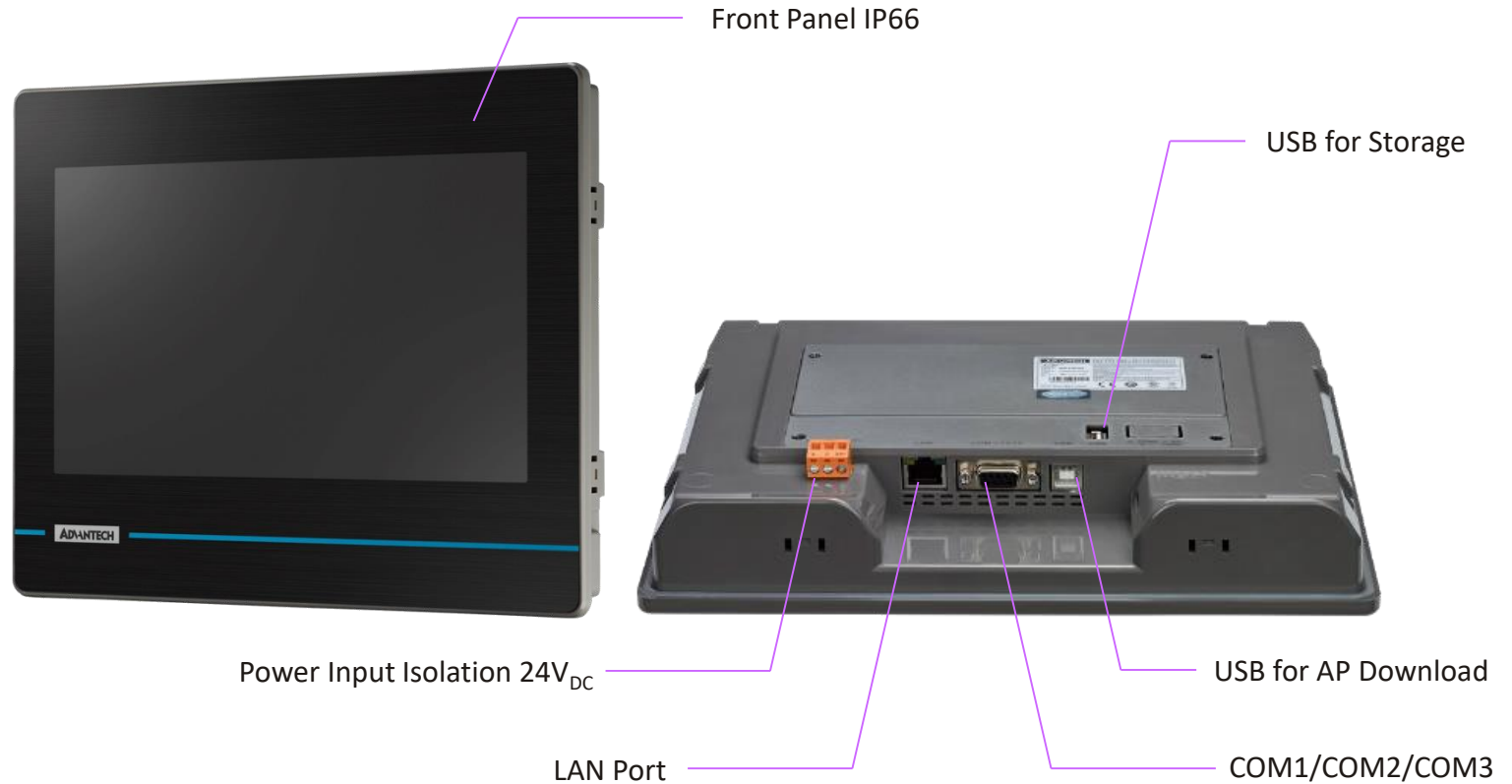
General Operator Panels – WOP-208K

Advantech Model & Ordering P/N		WOP-208K-NAE
CPU		RISC ARM9 32bits
Backup Memory		128KB
Working Memory		64 MB SDRAM
Storage		128M NAND Flash
Application Software	Operating System	HMI RTOS, HMINavi Designer V4.0
	Runtime Max Size	64 MB (in NAND Flash)
	Data Logger Max Size	64 MB (in NAND Flash)
	Max Programming Screen	7999 Pages
	Max Macro Commands	Unlimited
Display	Type	SVGA TFT LCD
	Size	8"
	Max. Resolution	800 x 600
Communication Interface	COM1	RS-232 (DB9 Female)
	COM2	RS-422/485 (DB9 Female)
	COM3	RS-485 (DB9 Female)
	Ethernet (RJ45)	10/100-BaseT
I/Os	USB Client	Yes
	USB Host	Yes
	Power Isolation	Yes
Power Supply Voltage		24VDC $\pm$ 10%
Power Consumption		20W
Dimension W x H x D (mm)		233 x 176 x 43.3mm (9.17" x 6.93" x 1.7")
Cut-out Dimension W x H (mm)		221 x 164mm (8.70" x 6.44")
Reliability Certification	Operating Temperature	-15 ~ 65° C (5 ~ 149° F)
	Humidity	95% RH @ 40° C
	Ingress Protection	Front panel: IP66
	CE	EN61000-6-2, EN61000-6-4
	EMI	FCC Part 15 Class A
	UL	UL61010-1, UL61010-2-201



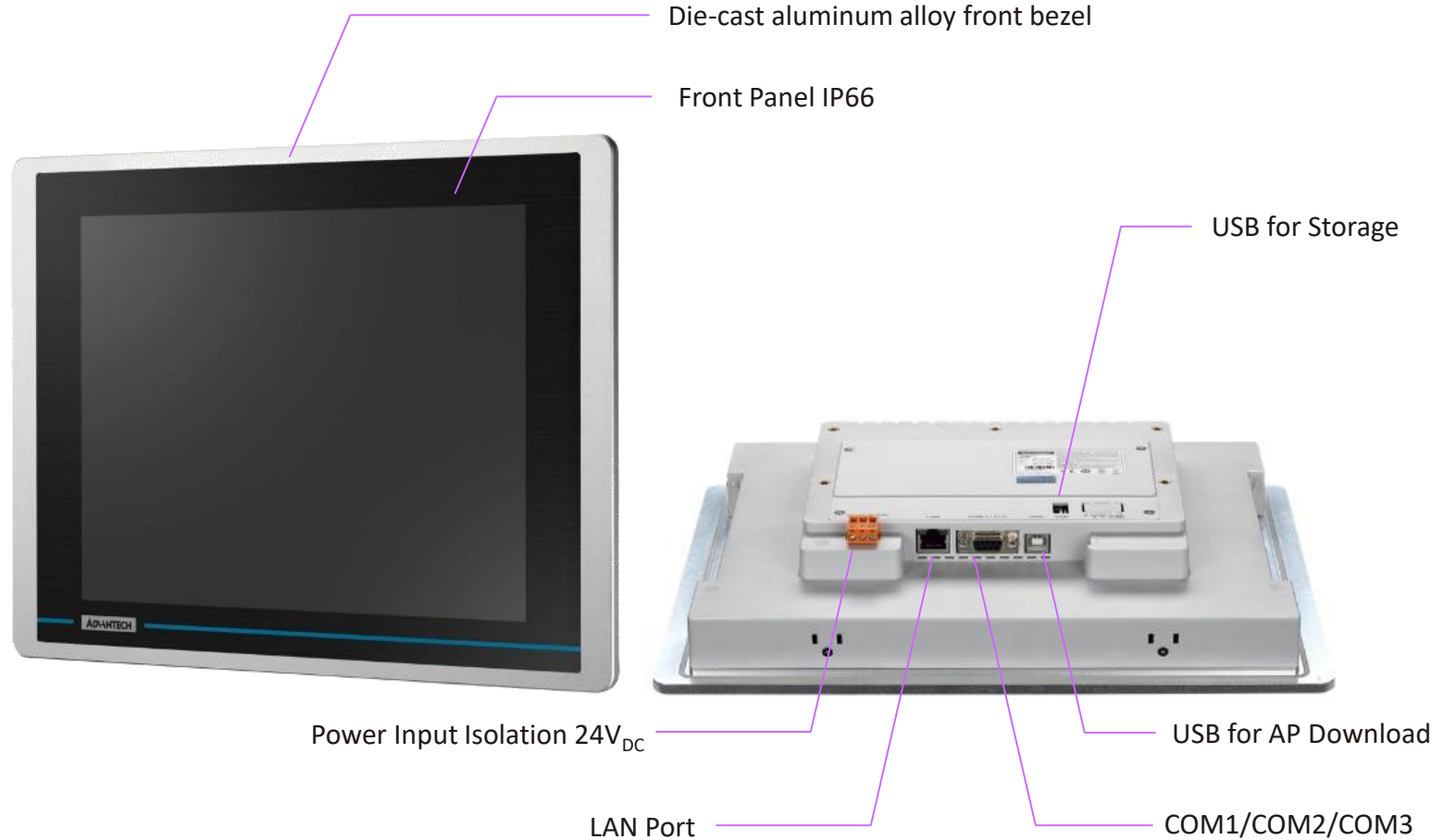
General Operator Panels – WOP-210K

Advantech Model & Ordering P/N		WOP-210K-NAE
CPU		RISC ARM9 32bits
Backup Memory		128KB
Working Memory		64 MB SDRAM
Storage		128M NAND Flash
Application Software	Operating System	HMI RTOS, HMINavi Designer V4.0
	Runtime Max Size	64 MB (in NAND Flash)
	Data Logger Max Size	64 MB (in NAND Flash)
	Max Programming Screen	7999 Pages
	Max Macro Commands	Unlimited
Display	Type	WSVGA TFT LCD
	Size	10.1"
	Max. Resolution	1024 x 600
Communication Interface	COM1	RS-232 (DB9 Female)
	COM2	RS-422/485 (DB9 Female)
	COM3	RS-485 (DB9 Female)
	Ethernet (RJ45)	10/100-BaseT
I/Os	USB Client	Yes
	USB Host	Yes
	Power Isolation	Yes
Power Supply Voltage		24VDC $\pm$ 10%
Power Consumption		20W
Dimension W x H x D (mm)		270.1 x 212.1 x 43.4mm (10.63" x 8.35" x 1.71")
Cut-out Dimension W x H (mm)		259.5 x 201.5mm (10.22" x 7.93")
Reliability Certification	Operating Temperature	-15 ~ 65° C (5 ~ 149° F)
	Humidity	95% RH @ 40° C
	Ingress Protection	Front panel: IP66
	CE	EN61000-6-2, EN61000-6-4
	EMI	FCC Part 15 Class A
	UL	UL61010-1, UL61010-2-201



General Operator Panels – WOP-212K

Advantech Model & Ordering P/N		WOP-212K-NAE
CPU		RISC ARM9 32bits
Backup Memory		128KB
Working Memory		64 MB SDRAM
Storage		128M NAND Flash
Application Software	Operating System	HMI RTOS, HMINavi Designer V4.0
	Runtime Max Size	64 MB (in NAND Flash)
	Data Logger Max Size	64 MB (in NAND Flash)
	Max Programming Screen	7999 Pages
	Max Macro Commands	Unlimited
Display	Type	XGA TFT LCD
	Size	12"
	Max. Resolution	1024 x 768
Communication Interface	COM1	RS-232 (DB9 Female)
	COM2	RS-422/485 (DB9 Female)
	COM3	RS-485 (DB9 Female)
	Ethernet (RJ45)	10/100-BaseT
I/Os	USB Client	Yes
	USB Host	Yes
	Power Isolation	Yes
Power Supply Voltage		24VDC $\pm$ 10%
Power Consumption		20W
Dimension W x H x D (mm)		335.4 x 245.8 x 60.3mm (13.21" x 9.68" x 2.37")
Cut-out Dimension W x H (mm)		302 x 228.5mm (11.89" x 9")
Reliability Certification	Operating Temperature	-15 ~ 65° C (5 ~ 149° F)
	Humidity	95% RH @ 40° C
	Ingress Protection	Front panel: IP66
	CE	EN61000-6-2, EN61000-6-4
	EMI	FCC Part 15 Class A
	UL	UL61010-1, UL61010-2-201



General Operator Panels Specification – WOP-215K

Advantech Model & Ordering P/N		WOP-215K-NAE
CPU		RISC ARM9 32bits
Backup Memory		128KB
Working Memory		64 MB SDRAM
Storage		128M NAND Flash
Application Software	Operating System	HMI RTOS, HMINavi Designer V4.0
	Runtime Max Size	64 MB (in NAND Flash)
	Data Logger Max Size	64 MB (in NAND Flash)
	Max Programming Screen	7999 Pages
	Max Macro Commands	Unlimited
Display	Type	XGA TFT LCD
	Size	15"
	Max. Resolution	1024 x 768
Communication Interface	COM1	RS-232 (DB9 Female)
	COM2	RS-422/485 (DB9 Female)
	COM3	RS-485 (DB9 Female)
	Ethernet (RJ45)	10/100-BaseT
I/Os	USB Client	Yes
	USB Host	Yes
	Power Isolation	Yes
Power Supply Voltage		24VDC $\pm$ 10%
Power Consumption		20W
Dimension W x H x D (mm)		399.1 x 297.6 x 57.3mm (15.71" x 11.72" x 2.26")
Cut-out Dimension W x H (mm)		384.5 x 283mm (15.14" x 11.14")
Reliability Certification	Operating Temperature	-15 ~ 65° C (5 ~ 149° F)
	Humidity	95% RH @ 40° C
	Ingress Protection	Front panel: IP66
	CE	EN61000-6-2, EN61000-6-4
	EMI	FCC Part 15 Class A
	UL	UL61010-1, UL61010-2-201

