

Панели оператора серии iP

Технические характеристики

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HMI with 10.1" TFT LCD Display



Feature

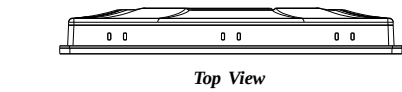
- Boasts excellent performance with better operation experience compared to its predecessor.
- Weintek's compact HMI Series-iP has upgraded in every aspect to satisfy a variety of applications.
 - Equipped with ARM RISC 528MHz CPU.
 - Wide input voltage range: 10.5~28VDC
 - Seamlessly upgraded from EB8000 to EasyBuilder Pro.

Display	Display	10.1" TFT
	Resolution	1024 x 600
	Brightness (cd/m ²)	350
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	50,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	70/70/80/80
	Pixel Pitch (mm)	0.2175 (H) x 0.2088 (V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32-bit RISC 528MHz
I/O Port	SD Card Slot	N/A
	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	10/100 Base-T x 1
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W, COM3 RS-232 2W*
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	HDMI	N/A
	Audio Output	N/A
RTC		Built-in
Power	Input Power	10.5 ~ 28VDC
	Power Isolation	Built-in
	Power Consumption	1.3A@12VDC ; 650mA@24VDC
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	271 x 213 x 36.4 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
Software	EasyBuilder Pro	V5.07.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

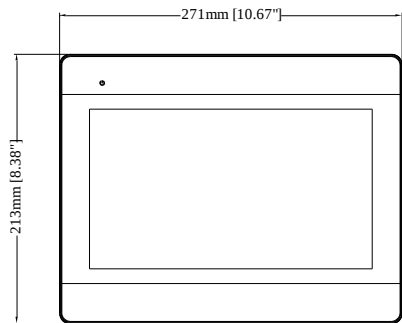
*Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

*For products with serial number 2208xxxxxx or later, the minimum software requirement for MPI: EasyBuilder Pro V6.07.01.

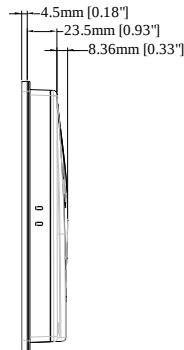
Dimensions



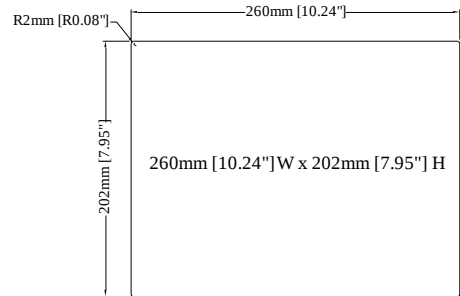
Top View



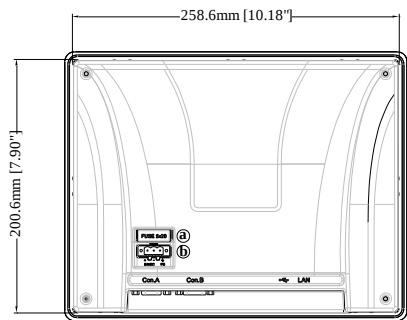
Front View



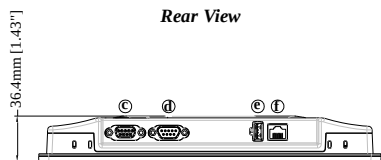
Side View



Cutout Dimensions



Rear View



Bottom View

a.	Fuse
b.	Power Connector
c.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W
d.	Con.B: COM1 RS-232 4W, COM3 RS-232 2W
e.	USB Host Port
f.	LAN

Ordering Information

Optional:

☐ **RZACEA020:** EasyAccess 2.0 Activation Card

Pin Assignment:

Con.B: COM1 / COM3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]4W	COM3 [RS232]2W
1		
2	RxD	
3	260mm [10.24"] W x 202mm [7.95"] H	
4	TxD	
5	GND	
6		
7	RTS	TxD
8	CTS	RxD
9	GND	

Con.A: COM2 / COM3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]2W	COM2 [RS485]4W	COM3 [RS485]2W
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND		
6			Data-
7			
8			
9			Data+

Human Machine Interface with 4.3" TFT LCD display

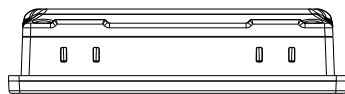


New iP Series

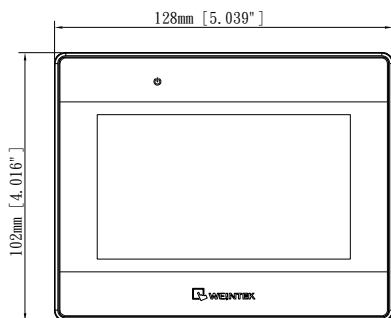
- Boasts excellent performance with better operation experience compared to its predecessor.
- 3 Upgrades! Weintek's compact HMI Series-iP has upgraded in every aspect to satisfy a variety of applications.
 - Equipped with Cortex A8 600MHz CPU.
 - Seamlessly upgraded from EB8000 to EasyBuilder Pro.
 - Adopts Micro USB download cable widely used in smart phones.

Display	Display	4.3" TFT LCD
	Resolution	480 x 272
	Brightness (cd/m ²)	400
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32 Bits RISC Cortex-A8 600MHz
I/O Port	USB Host	N/A
	USB Client	USB 2.0 x 1 (Micro USB)
	Ethernet	N/A
	COM Port	COM1 RS-232/RS-485 2W/4W COM3 RS-485 2W
	RS-485 Dual Isolation	N/A
RTC		Built-in (CR2032 3V lithium battery.)
Power	Input Power	24±20% VDC
	Power Consumption	300mA@24VDC
	Power Isolation	Built-in
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	128 x 102 x 32 mm
	Panel Cutout	119 x 93 mm
	Weight	Approx. 0.25 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10~90% (non-condensing)
Certification	CE	CE marked
Software		EasyBuilder Pro

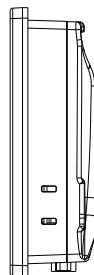
◆ Dimensions Drawing



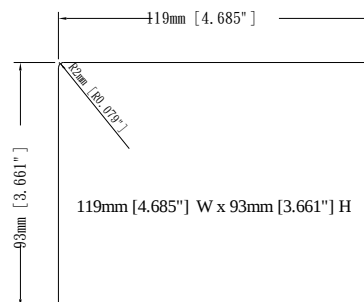
Top View



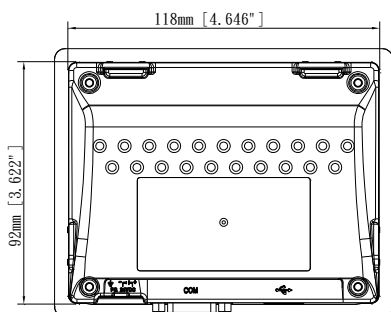
Front View



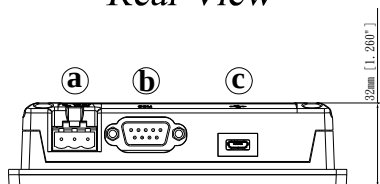
Side View



Cutout Dimensions



Rear View



Bottom View

a.	Power Connector
b.	COM1 RS-232, RS-485 2W/4W, COM3 RS-485 2W
c.	Micro USB

Pin Assignment:

COM1 [RS232], COM1 [RS485], COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1 [RS485]		COM1 [RS232]	COM3 [RS485]
	4 wire	2 wire		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5	GND			
6			TxD	
7				Data-
8				Data+
9			RxD	

Ordering Information



USB download cable / USB to Micro USB 2.0 180 cm

Human Machine Interface with 7" TFT LCD display

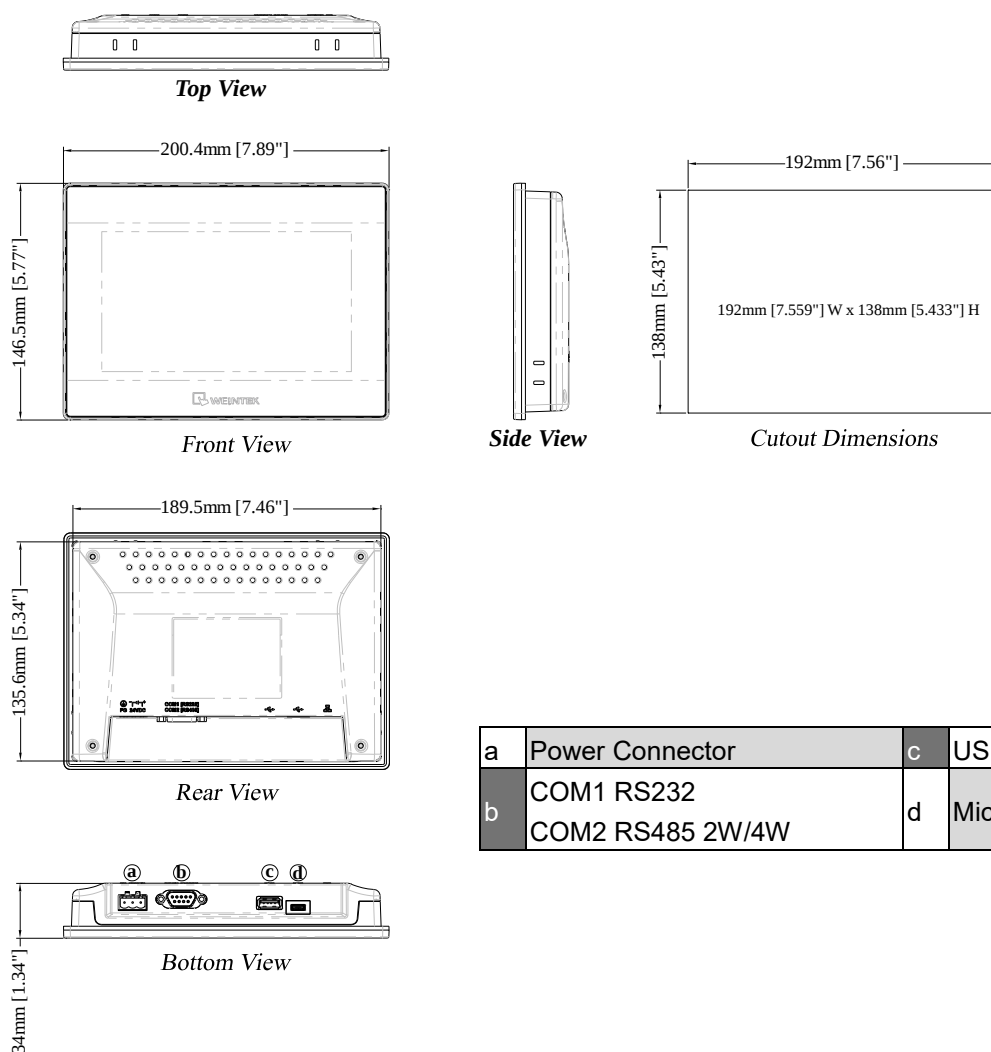


New iP Series

- Wide input voltage range: 10.5~28VDC
- Boasts excellent performance with better operation experience compared to its predecessor.
- 3 Upgrades! Weintek's compact HMI Series-iP has upgraded in every aspect to satisfy a variety of applications.
 - Equipped with Cortex A8 600MHz CPU.
 - Seamlessly upgraded from EB8000 to EasyBuilder Pro.
 - Adopts Micro USB download cable widely used in smart phones.

Display	Display	7" TFT LCD
	Resolution	800 x 480
	Brightness (cd/m ²)	300
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16M
	LCD Viewing Angle (T/B/L/R)	70/50/70/70
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32 Bits RISC Cortex-A8 600MHz
I/O Port	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1 (Micro USB)
	Ethernet	N/A
	COM Port	COM1: RS-232, COM2: RS-485 2W/4W
	RS-485 Dual Isolation	N/A
RTC		Built-in
Power	Input Power	10.5~28VDC
	Power Consumption	1A@12VDC ; 500mA@24VDC
	Power Isolator	Built-in
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	200.4 x 146.5 x 34 mm
	Panel Cutout	192 x 138 mm
	Weight	Approx. 0.52 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
Software		EasyBuilder Pro

◆ Dimensions Drawing



a	Power Connector	c	USB Host
b	COM1 RS232 COM2 RS485 2W/4W	d	Micro USB

Pin Assignment:

COM1 [RS232] / COM2 [RS485] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM2 [RS485]	
		4W	2W
1		Rx-	Data-
2		Rx+	Data+
3		Tx-	
4		Tx+	
5	GND		
6	TxD		
7	RTS		
8	CTS		
9	RxD		

Ordering Information

□ RZCMU1800:

USB download cable / USB to Micro USB 2.0 180 cm

HMI with 10.1" TFT Display



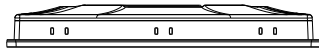
New iP Series

- Boasts excellent performance with better operation experience compared to its predecessor.
- 3 Upgrades! Weintek's compact HMI Series-iP has upgraded in every aspect to satisfy a variety of applications.
 - Equipped with Cortex A8 600MHz CPU.
 - Seamlessly upgraded from EB8000 to EasyBuilder Pro.
 - Adopts Micro USB download cable widely used in smart phones.

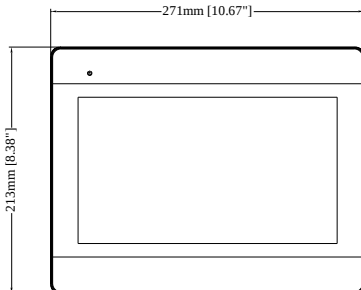
Display	Display	10.1" TFT
	Resolution	1024 x 600
	Brightness (cd/m ²)	400
	Contrast Ratio	600:1
	Backlight Type	LED
	Backlight Life Time	>25000 hrs.
	Colors	16.2M
	LCD Viewing Angle (T/B/L/R)	60/60/70/70
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32 Bits RISC Cortex-A8 600MHz
I/O Port	SD Card Slot	N/A
	USB Host	USB 2.0 x 1
	USB Client	USB 2.0 x 1 (Micro USB)
	Ethernet	N/A
	COM Port	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W Con.B: COM1 RS-232 4W/ COM3 RS-232 2W*
	RS-485 Dual Isolation	N/A
	CAN Bus	N/A
	HDMI	N/A
	Audio Output	N/A
	Video Input	N/A
RTC		Built-in
Power	Input Power	24±20% VDC
	Power Consumption	650mA@24VDC
	Power Isolation	Built-in
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	271 x 213 x 36.4 mm
	Panel Cutout	260 x 202 mm
	Weight	Approx. 1 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
Software		EasyBuilder Pro

*Only Tx & Rx (no RTS/CTS) may be used for COM1 RS-232 when COM3 RS-232 is also used.

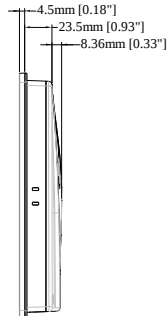
◆ Dimensions



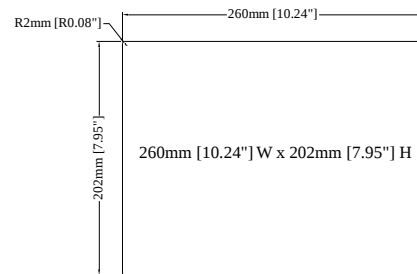
Top View



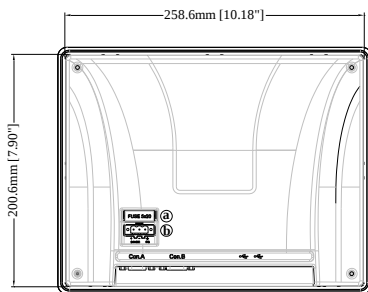
Front View



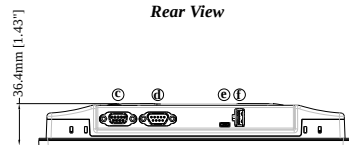
Side View



Cutout Dimensions



Rear View



Bottom View

a.	Fuse
b.	Power Connector
c.	Con.A: COM2 RS-485 2W/4W, COM3 RS-485 2W
d.	Con.B: COM1 RS-232 / COM3 RS-232
e.	USB Client
f.	USB Host

R2mm [R0.08"]

260mm [10.24"]

R2mm

Pin Assignment

COM1/3 [RS232] 9 Pin, Male, D-sub

PIN#	COM1 [RS232]	COM3 [RS232]
1		
2	RxD	
3	TxD	
4		
5	GND	
6		
7	RTS	TxD
8	CTS	RxD
9	GND	

COM2/3 [RS485] 9 Pin, Female, D-sub

PIN#	COM2 [RS485]2W	COM2 [RS485]4W	COM3 [RS485]2W
1	Data-	Rx-	
2	Data+	Rx+	
3		Tx-	
4		Tx+	
5	GND		
6			Data-
7			
8			
9			Data+



Human Machine Interface with 4.3" TFT LCD display

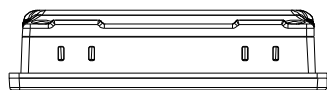
New iP Series

- Wide input voltage range: 10.5~28VDC
- Boasts excellent performance with better operation experience compared to its predecessor.
- 2 Upgrades! Weintek's compact HMI Series-iP has upgraded in every aspect to satisfy a variety of applications.
 - Equipped with Cortex A8 600MHz CPU.
 - Seamlessly upgraded from EB8000 to EasyBuilder Pro.

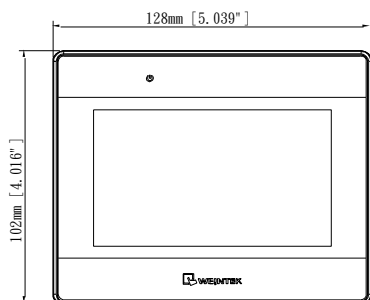
Display	Display	4.3" TFT LCD
	Resolution	480 x 272
	Brightness (cd/m ²)	400
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	50/70/70/70
	Pixel Pitch (mm)	0.198(H) x 0.198(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32-bit RISC 600MHz
I/O Port	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	10/100 Base-T x 1
	COM Port	COM1 RS-232/RS-485 2W/4W COM3 RS-485 2W
	RS-485 Dual Isolation	N/A
RTC		Built-in (CR2032 3V lithium battery.)
Power	Input Power	10.5~28VDC
	Power Consumption	800mA@12VDC ; 400mA@24VDC
	Power Isolation	Built-in
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	128 x 102 x 32 mm
	Panel Cutout	119 x 93 mm
	Weight	Approx. 0.25 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20° ~ 60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10~90% (non-condensing)
Certification	CE	CE marked
Software	EasyBuilder Pro	V5.05.02 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

*For products with serial number 2301***** or later, the minimum software requirement for MPI: EasyBuilder Pro V6.07.01.

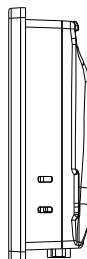
◆ Dimensions Drawing



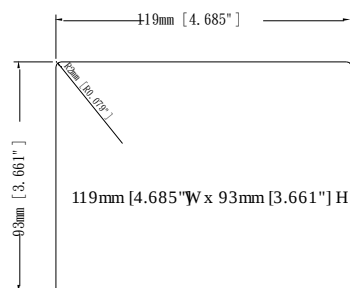
Top View



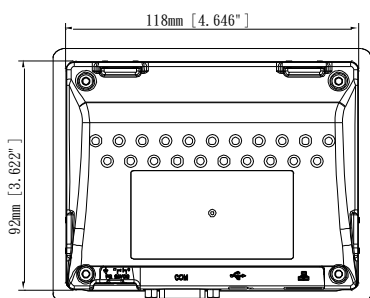
Front View



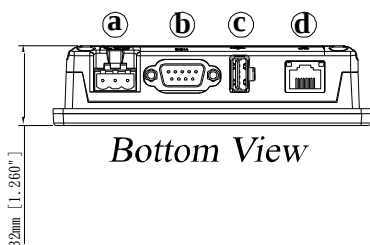
Side View



Cutout Dimensions



Rear View



Bottom View

a.	Power Connector
b.	COM1 RS-232, RS-485 2W/4W, COM3 RS-485 2W
c.	USB Host
d.	Ethernet

Pin Assignment:

COM1 [RS232], COM1 [RS485], COM3 [RS485], 9 Pin, Male, D-sub

PIN#	COM1 [RS485]		COM1 [RS232] 2W	COM3 [RS485] 2W
	4W	2W		
1	Rx-	Data-		
2	Rx+	Data+		
3	Tx-			
4	TX+			
5	GND			
6			TxD	
7				Data-
8				Data+
9			RxD	

Ordering Information

Optional:

☐ RZACEA020: EasyAccess 2.0 Activation Card



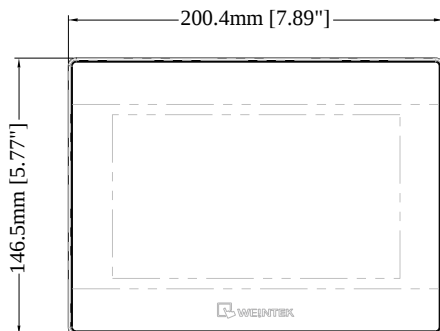
Features

- Wide input voltage range: 10.5~28VDC
- 7" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in flash memory and RTC
- COM2 RS-485 2W supports MPI 187.5K*
- NEMA4 / IP65 Compliant Front Panel
- Built-in power isolation

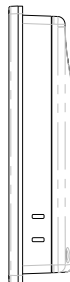
Display	Display	7" TFT LCD
	Resolution	800 x 480
	Brightness (cd/m2)	300
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	70/50/70/70
	Pixel Pitch (mm)	0.1926(H) x 0.179(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32-bit RISC 600MHz
I/O Port	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	10/100 Base-T x 1
	COM Port	COM1: RS-232 4W, COM2: RS-485 2W/4W
	RS-485 Dual Isolation	N/A
RTC		Built-in
Power	Input Power	10.5~28VDC
	Power Consumption	1A@12VDC ; 500mA@24VDC
	Power Isolation	Built-in
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	200.4 x 146.5 x 34 mm
	Panel Cutout	192 x 138 mm
	Weight	Approx.0.52 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20°~60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
Software	EasyBuilder Pro	V5.05.01 or later versions
	Weincloud	EasyAccess 2.0 (Optional)

*For products with serial number 2208xxxxxx or later, the minimum software requirement for MPI: EasyBuilder Pro V6.07.01

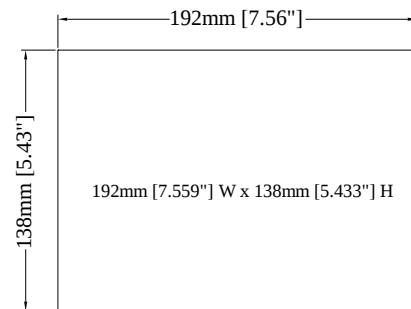
◆ Dimensions View



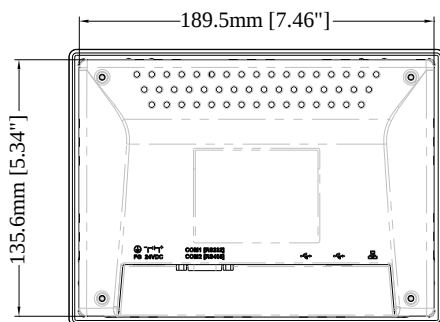
Front View



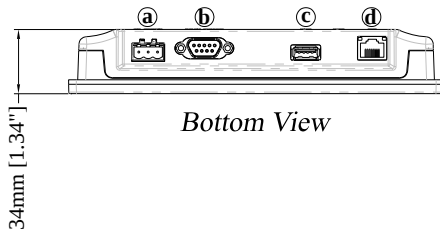
Side View



Cutout Dimensions



Rear View



Bottom View

a	Power Connector	c	USB Host
b	COM1 RS232 4W, COM2 RS485 2W/4W	d	Ethernet

Pin Assignment:

COM1 [RS232] / COM2 [RS485] 9 Pin, Male, D-sub

PIN#	COM1 [RS232] 4W	COM2 [RS485]	
		4W	2W
1	192mm [7.559"] W x 138mm [5.433"] H	Rx-	Data-
2		Rx+	Data+
3		Tx-	
4		Tx+	
5	GND		
6	TxD		
7	RTS		
8	CTS		
9	RxD		

Ordering Information

Optional:

☐ RZACEA020: EasyAccess 2.0 Activation Card

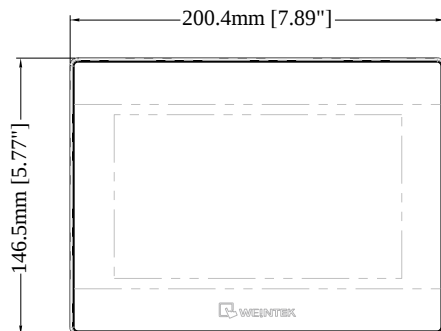


Features

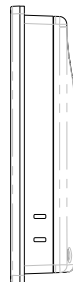
- Wide input voltage range: 10.5~28VDC
- 7" 800 x 480 TFT LCD, LED Backlight
- Fan-less Cooling System
- Built-in flash memory and RTC
- COM2 RS-485 2W supports MPI 187.5K
- NEMA4 / IP65 Compliant Front Panel
- Built-in power isolation

Display	Display	7" TFT LCD
	Resolution	800 x 480
	Brightness (cd/m ²)	300
	Contrast Ratio	500:1
	Backlight Type	LED
	Backlight Life Time	>30,000 hrs.
	Colors	16.7M
	LCD Viewing Angle (T/B/L/R)	70/50/70/70
	Pixel Pitch (mm)	0.1926(H) x 0.179(V)
Touch Panel	Type	4-wire Resistive Type
	Accuracy	Active Area Length(X)±2%, Width(Y)±2%
Memory	Flash	128 MB
	RAM	128 MB
Processor		32-bit RISC 528MHz
I/O Port	USB Host	USB 2.0 x 1
	USB Client	N/A
	Ethernet	10/100 Base-T x 1
	COM Port	COM1: RS-232 4W, COM2: RS-485 2W/4W Mark/Space parity mode is not supported.
	RS-485 Dual Isolation	N/A
RTC		Built-in
Power	Input Power	10.5~28VDC
	Power Consumption	1A@12VDC ; 450mA@24VDC
	Power Isolation	Built-in
	Voltage Resistance	500VAC (1 min.)
	Isolation Resistance	Exceed 50MΩ at 500VDC
	Vibration Endurance	10 to 25Hz (X, Y, Z direction 2G 30 minutes)
Specification	PCB Coating	N/A
	Enclosure	Plastic
	Dimensions WxHxD	200.4 x 146.5 x 34 mm
	Panel Cutout	192 x 138 mm
	Weight	Approx.0.52 kg
	Mount	Panel mount
Environment	Protection Structure	NEMA4 / IP65 Compliant Front Panel
	Storage Temperature	-20°~60°C (-4° ~ 140°F)
	Operating Temperature	0° ~ 50°C (32° ~ 122°F)
	Relative Humidity	10% ~ 90% (non-condensing)
Certificate	CE	CE marked
Software		EasyBuilder Pro V6.06.01 or later EasyAccess 2.0 (Optional)

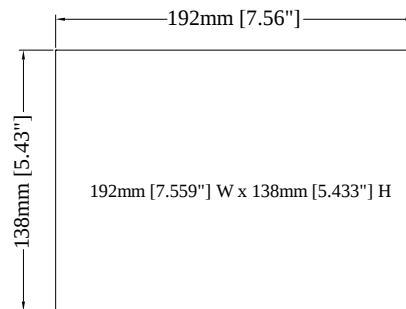
◆ Dimensions Top View



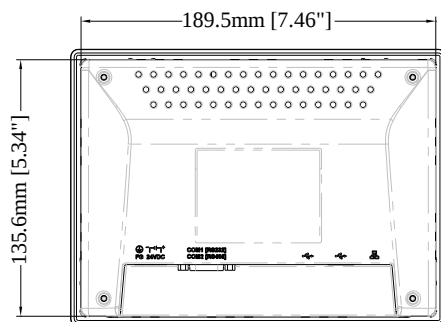
Front View



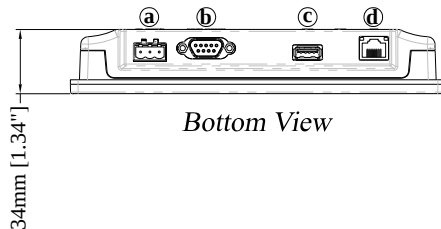
Side View



Cutout Dimensions



Rear View



Bottom View

Pin Assignment:

COM1 [RS232] / COM2 [RS485] 9 Pin, Male, D-sub

PIN#	COM1 [RS232] 4W	COM2 [RS485]	
		4W	2W
1	138mm [5.433"] H	Rx	Data-
2		Rx+	Data+
3		Tx-	
4		Tx+	
5	GND		
6	TxD		
7	RTS		
8	CTS		
9	RxD		

a	Power Connector	c	USB Host
b	COM1 RS232 4W, COM2 RS485 2W/4W	d	Ethernet



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