

# IP67 G-Win Display

Flat Touch Panel Mount Display

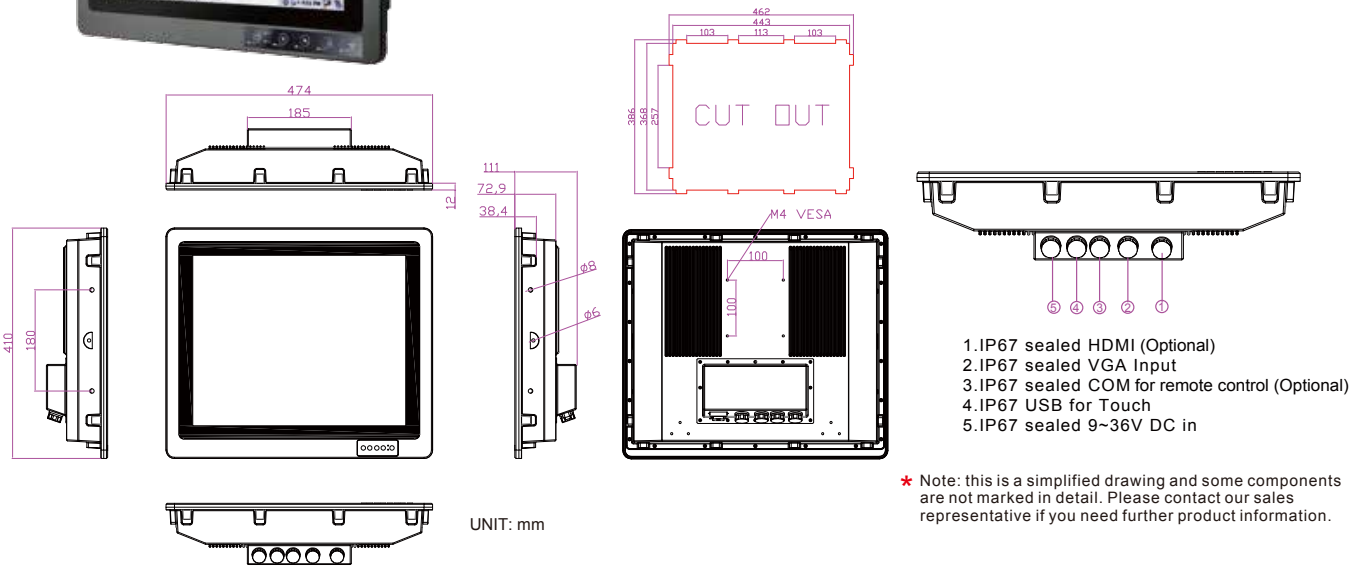
MODEL : R19L100-67FTP

Mechanical Design



## Features

- Totally sealed IP67 aluminum compact housing design
- 19-inch 1280x1024 panel with Projected Capacitive Touch
- -10°C to 60°C wide operating temperature
- Fanless, streamlined enclosure for highly efficient heat dissipation
- Rugged Front Anti-Impact Design
- Front control membrane keys Lockable by software
- Full IP67 male connectors with external female cables
- Optical Bonding with Panel and Touch



## System Specifications :

- Model Name : R19L100-67FTP
- Resolutions : 1280 x 1024
- Brightness : 400 cd/m<sup>2</sup> (typ.) for R19L100-67FTP  
1000 cd/m<sup>2</sup> (optional)  
for R19L100-67FTPHB (High Brightness)
- Contrast Ratio : 1000 : 1 (typ.)
- Viewing Angles : -85~85(H); -80~80(V)
- Max Colors : 16.7M
- Recommended Resolution : 1280 x 1024 @ 60Hz~75Hz
- Signal Input : 15 pin D-Sub
- Power Input : 9~36V DC in, with External AC to DC Adapter(100-240V AC)
- Touch Screen : Projected Capacitive (Option AR Protection glass)

## Standards and Certifications

- CE
- FCC
- Shock : Compliant with MIL-STD-810G Method 516.6
- Vibration : Compliant with MIL-STD-810G Method 514.6

## Mechanical Specification :

- Mechanical Housing : Panel Mount
- Dimension(W x H x D) : 474mm x 410mm x 111mm
- Gross Weight : 13.5 kg
- Net Weight : 10.0 kg

## Power Specifications :

- Power Input : 9~36V DC input

## Environment Considerations :

- Operating Temperature : -10 deg.C to 60 deg.C
- Operating Humidity : 5 to 95%

## Full IP67 Connectors :

- 1 x IP67 grade Connectors for HDMI (Optional)
- 1 x IP67 grade Connectors for DC 9~36V in
- 1 x IP67 grade Connectors for RS232 Remote Control (Optional)
- 1 x IP67 grade Connectors USB for Touch Screen
- 1 x IP67 grade Connectors for VGA signal in

## Accessories :

- 1 x Driver & Manual CD
- 1 x AC to DC 12V 50W Power Adapter
- 4 x IP67 External Cables (USB / VGA / COM (Optional) / Power)

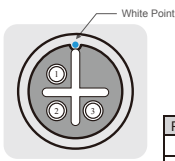
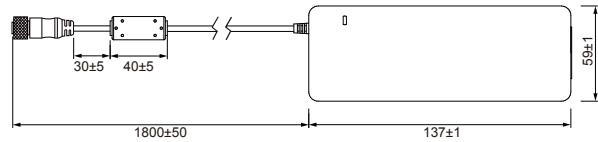
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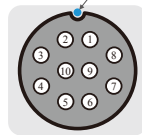
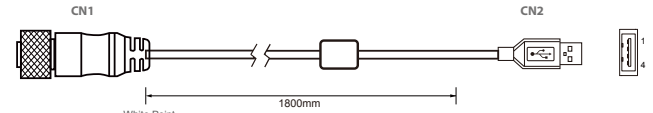
Pin Definition

### Power Cable



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VIN -	NO ASSIGN	CN2-1	VCC+	Flow Adapter
CN1-2	VIN -	NO ASSIGN	CN2-2	GND	Flow Adapter
CN1-3	VIN -	NO ASSIGN	CN2-3	VCC-	Flow Adapter

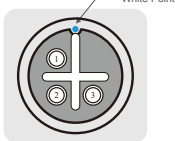
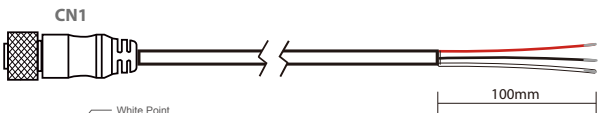
### USB Cable (For Touch)



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-2	VCCRed		CN2-1	VCC	Red
CN1-3	D-White		CN2-2	D-	White
CN1-4	D+	Green	CN2-3	D+	Green
CN1-5	GND	Black	CN2-4	GND	Black
CN1-9	GND	Black	CN2 Shell	Black	

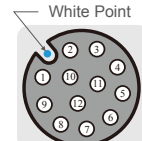
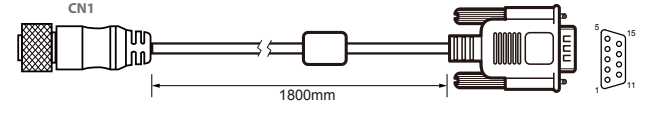
*twisted pairs*

### Power Cable



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	VCC+	Red	CN2-1	VCC+	Red
CN1-2	GND	Black	CN2-2	GND	Black
CN1-3	VCC-	White	CN2-3	VCC-	White

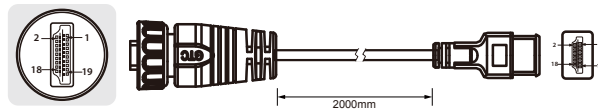
### VGA Cable



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	R	Red	CN2-1	R	Red
CN1-6	R-GND	Black	CN2-2	R-GND	Black
CN1-2	G	Green	CN2-3	G	Green
CN1-7	G-GND	Black	CN2-4	G-GND	Black
CN1-3	B	Blue	CN2-5	B	Blue
CN1-8	B-GND	Black	CN2-6	B-GND	Black
CN1-12	SDA	Yellow	CN2-7	SDA	Yellow
CN1-13	HS	Orange	CN2-8	HS	Orange
CN1-14	VS	White	CN2-9	VS	White
CN1-15	SCL	Brown	CN2-10	SCL	Brown

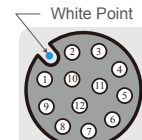
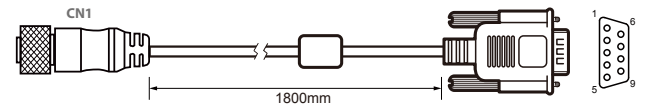
*coaxial*

### HDMI Cable



Pin No.	Color	Pin No.	Color	Pin No.	Color
1	Brown	10	Blue	10	Blue
2	Drain	11	Drain	11	Drain
3	White	12	White	12	White
4	Red	13	Black	13	Black
5	Drain	14	Red	14	Red
6	White	15	Orange	15	Orange
7	Green	16	Yellow	16	Yellow
8	Drain	17	Purple	17	Purple
9	White	18	White	18	White
Shell	Drain+Braid	19	White	19	White
Plug		Shell	Drain+Braid	Shell	

### RS232(for remote control) Cable



Pin No.	Symbols	Color	Pin No.	Symbols	Color
CN1-1	DCD-CON2	Green	CN2-1	DCD-CON2	Green
CN1-6	DSR-CON2	Brown	CN2-2	DSR-CON2	Brown
CN1-2	RXD-CON2	Red	CN2-3	RXD-CON2	Red
CN1-7	RTS-CON2	Orange	CN2-4	RTS-CON2	Orange
CN1-3	TXD-CON2	Blue	CN2-5	TXD-CON2	Blue
CN1-8	CTS-CON2	White	CN2-6	CTS-CON2	White
CN1-4	DTR-CON2	Purple	CN2-7	DTR-CON2	Purple
CN1-9	RI-CON2	Yellow	CN2-8	RI-CON2	Yellow
CN1-5	GND-CON2	Black	CN2-9	GND-CON2	Black

## Assured Systems

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