

# WM BT-R15 Display - ATEX

15" touch display for ATEX Zone 2 | With stainless steel housing

## Features

- 15" ATEX touch display (explosion-proof)
- 5-Wire resistive touch display
- Resolution: 1024 x 768
- Display brightness: 600 cd/m<sup>2</sup>
- Stainless steel chassis with good corrosion resistance

## Display

<b>Display Size</b>	15" (38,1cm)
<b>Touchscreen</b>	5-Wire resistive / PCAP (optional)
<b>Resolution</b>	1024 x 768
<b>Brightness</b>	600 cd/m <sup>2</sup>
<b>Contrast</b>	700:1
<b>Color Depth</b>	16.2M colors (8-bit/color)
<b>Active Display (mm)</b>	304.10 x 228.10
<b>Viewing Angle</b>	-80~80(H); -60~80 (V)

## Interface

<b>USB</b>	1x USB (M12 type for touch)
<b>Serial Ports</b>	1x RS-232 (M12 for remote control) 1x RS-232 (optional M12 connector for touch)
<b>Video</b>	1x VGA (M21 type)
<b>Power</b>	1x DC power input (M21 type)

## Mechanical

<b>Power Input</b>	9 ~ 36V DC with isolation protection
<b>Power Consumption</b>	20W typical, during normal operation
<b>Dimensions</b>	396 x 310 x 49mm (W x H x D) 365 x 270mm (Cut Out)
<b>Mounting</b>	VESA 100mm

## Accessories

1x DC power cable  
 1x Power adapter-to-IP65 connector  
 1x RS-232 remote control cable (M12, rated IP65)  
 1x RS-232 cable for touch (optional, M12, rated IP65)  
 1x USB cable for touch (M12, rated IP65)  
 1x VGA cable (M21, rated IP65)

## Environmental

<b>Operating Temp.</b>	-20° ~ 50°C
<b>Storage Temperature</b>	-20° ~ 60°C
<b>Humidity</b>	10% ~ 95%, non-condensing

## Certifications

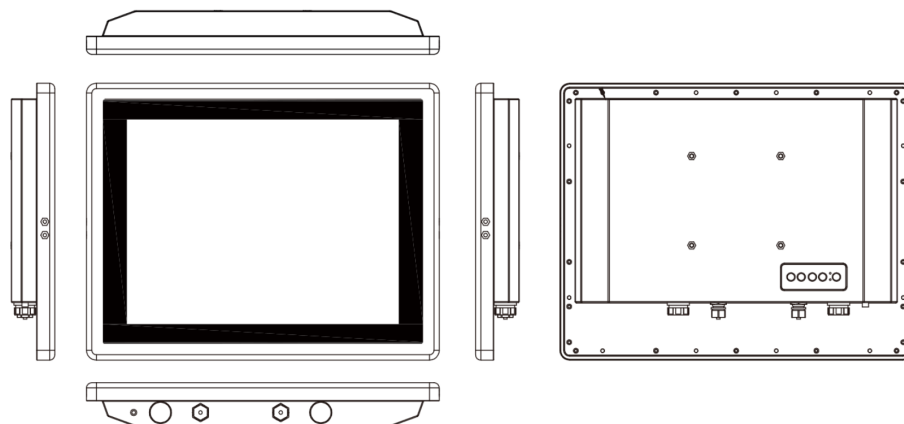
Hazardous: ATEX Zone 2, EX II 3G Ex ic nA IIC T4 Gc  
 UL Class I, Div.2, Groups ABCD T4, ANS/ISA12.12.01  
 CAN/CSA C22.2 No. 213-M1987  
 EMC: FCC, CE, CSA, UL60950-1  
 Ordinary: UL60950-1, CSA C22.2 No. 60950-1-07, EN60950-1,  
 IEC 60950-1  
 Shock / Drop: MIL-STD-810G Method 516.6  
 Vibration: MIL-STD-810G Method 514.6

Front



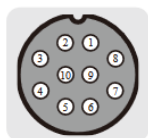
# WM BT-R15 Display - ATEX

## Mechanical drawing



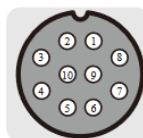
## Pin assignments

### USB for Touch



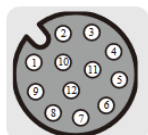
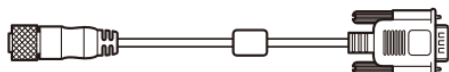
Pin No.	Symbols	Color
CN1-1	VCC	RED
CN1-2	VCC	RED
CN1-3	D-	WHITE
CN1-4	D-	WHITE
CN1-5	D+	GREEN
CN1-6	D+	GREEN
CN1-7	GND	BLACK
CN1-8	GND	BLACK
CN1-9	Braid	

### VGA Cable



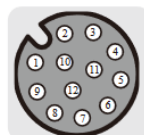
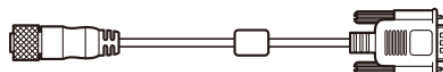
Pin No.	Symbols	Color
CN2-1	R	Red
CN2-6	R-GND	Black
CN2-2	G	Green
CN2-7	G-GND	Black
CN2-3	B	Blue
CN2-8	B-GND	Black
CN2-12	SDA	Yellow
CN2-13	HS	Orange
CN2-14	VS	White
CN2-15	SCL	Brown

### RS-232 Remote Control



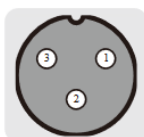
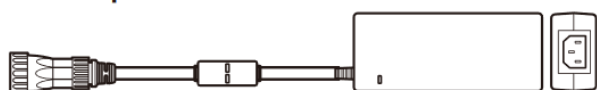
Pin No.	Symbols	Color
CN2-1	DCD-CON2	Green
CN2-2	DSR-CON2	Brown
CN2-3	RXD-CON2	Red
CN2-4	RTS-CON2	Orange
CN2-5	TXD-CON2	Blue
CN2-6	CTS-CON2	White
CN2-7	DTR-CON2	Purple
CN2-8	RI-CON2	Yellow
CN2-9	GND-CON2	Black

### RS232 For Touch(Optional)



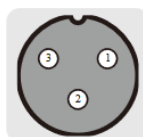
Pin No.	Symbols	Color
CN2-1	DCD-CON2	Green
CN2-2	DSR-CON2	Brown
CN2-3	RXD-CON2	Red
CN2-4	RTS-CON2	Orange
CN2-5	TXD-CON2	Blue
CN2-6	CTS-CON2	White
CN2-7	DTR-CON2	Purple
CN2-8	RI-CON2	Yellow
CN2-9	GND-CON2	Black

### Power adapter



Pin No.	Symbols	Color
CN2-1	VCC	Follow Adapter
CN2-2	GND	Follow Adapter
CN2-3	GND	Follow Adapter

### DC power cable



Pin No.	Symbols	Color
CN2-1	VCC	Red
CN2-2	Shield	
CN2-3	GND	Black