# Advanced touchscreen panel, Harmony GTU, 12 W Touch Display WXGA

HMIDT651

#### Main

Range of product	Harmony GTU
Product or component type	Advanced touchscreen panel
Terminal type	Touchscreen display

### Complementary

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Pixel resolution	1280 x 800
Touchscreen resolution	1024 x 1024
[Us] rated supply voltage	1224 V DC power supply
Supply voltage limits	10.828.8 V
Power consumption in W	11.5 W
Display size	12.1 inch
Aspect ratio	4:3
Display type	Colour TFT LCD
Display resolution	1280 x 800 pixels WVGA
Display colour	262144 colors
Backlight lifespan	50000 hours
Touch panel	Single touch analogue resistive
Type of installation	Indoor installation
Type of cooling	Natural convection
Inrush current	30 A
Cut-out dimensions	295 (+ 1/- 0) x 217 (+ 1/- 0) mm
Width	308.5 mm
Height	230.5 mm
Depth	67 mm
Net weight	3 kg

#### **Environment**

IP degree of protection	Front panel: IP66 Front panel: IP67
NEMA degree of protection	NEMA 4X front panel

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Ambient air temperature for CE RCM Ambient air temperature for operation  Ambient air temperature for operation  Ambient air temperature for storage  -2060 °C  Relative humidity  1090 % non-condensing Operating attitude  2000 m  Operating attitude  2000 m  3.5 mm condaint amplitude (f = 5 9 Hz) condoming to ENVIEC 61131-2  9.8 m/s² (f = 9150 Hz) conforming to ENVIEC 61131-2  Shock resistance  147 m/s² conforming to ENVIEC 61131-2  Electromagnetic compatibility  Electrostatic discharge immunity test level 3 conforming to ENVIEC 61000-4-2  Packing Units Unit Type of Package 1  PCE Number of Units in Package 1  Package 1 Height  180 mm  Package 1 Height  190 mm  Package 1 Length  430 mm  Unit Type of Package 2  P12  Number of Units in Package 2  P13  Number of Units in Package 3  P14  Number of Units in Package 4  P15  Number of Units in Package 5  P16  Number of Units in Package 7  Package 2 Weight  103 62 kg  Package 2 Weight  103 62 kg  Package 2 Weight  104 cm  Offer Sustainability  Sustainable offer status  Green Permium product  REACh Regulation  REACh Regulation  REACh Regulation  REACh Regulation  REACh Regulation  China RoHS Regulation  China RoH	Standards	ANSI/ISA 12-12-01 Class I division 2 CSA C22.2 No 213 CSA C22.2 No 142
operation Ambient air temperature for storage Pollution degree 2 Relative humidity 1090 % non-condensing Operating altitude 2000 #	Product certifications	KC CE
storage Pollution degree 2 Relative humidity 1090 % non-condensing Operating altitude 2000 m Vibration resistance 3.5 mm constant amplitude (f = 59 Hz) conforming to ENIEC 61131-2 9.8 m/s² (f = 9150 Hz) conforming to ENIEC 61131-2 Shock resistance 147 m/s² conforming to ENIEC 61131-2 Electromagnetic compatibility Electrostatic discharge immunity test level 3 conforming to ENIEC 61000-4-2  Packing Units Unit Type of Package 1 PCE Number of Units in Package 1 1 Package 1 Weight 4.6 kg Package 1 Height 186 mm Package 2 Height 330 mm Package 1 Length 430 mm Unit Type of Package 2 P12 Number of Units in Package 2 P10 03.82 kg Package 2 Height 100 cm Package 2 Height 100 cm  Offer Sustainability Sustainabile offer status Green Premium product REACH Regulation REACH Declaration REACH Regulation REACH Declaration REACH Regulation Characteristics Residence (Product out of EU RoHS legal scope) EU RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Directive Product Characteristics Circularity Profile End of Life Information  WEEE The Product Compounds which is sown to be other case and lead compounds have is sown to the State of California to cause cancer and birth defects or other reproductives have is sown to the State of California to cause cancer and birth defects or other reproductives have is sown to the State of California to cause cancer and birth defects or other reproductives have is sown to the State of California to cause cancer and birth defects or other reproductives have is sown to the State of California to cause cancer and birth defects or other reproductives have is sown to the State of California to cause cancer and birth defects or other reproductives have is sown to the State of California to cause cancer and birth defects or other reproductives have is sown to the State of California to cause cancer	<del>-</del>	060 °C conforming to EN 61131-2
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Vibration resistance     3.5 mm constant amplitude (f = 59 Hz) conforming to ENIEC 61131-2       Shock resistance     147 m/s² conforming to ENIEC 61131-2       Electromagnetic compatibility     Electrostatic discharge immunity test level 3 conforming to ENIEC 61000-4-2       Packing Units     Unit Type of Package 1       Package 1 Weight     4.6 kg       Package 1 Weight     4.6 kg       Package 1 Height     186 mm       Package 2 Length     430 mm       Unit Type of Package 2     P12       Number of Units in Package 2     P12       Number of Units in Package 2     P2       Package 2 Weight     103.82 kg       Package 2 Length     110 cm       Package 2 Length     120 cm       Offer Sustainability       Sustainablo offer status     Green Premium product       REACh Regulation     REACh Declaration       REACh Gree of SVHC     Yes       EU RoHS Directive     Pro-active compliance (Product out of EU RoHS legal scope)       EU RoHS Directive     Yes       ROHAS Regulation     China RoHS Regulation       China RoHS Regulation     China RoHS declaration       Environmental Disclosure     Product Environmental Profile       Environmental Disclosure     Product Environmental Profile       WEEE     The product must be disposed on European Union markets following specif	Relative humidity	1090 % non-condensing
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Package 1 width 330 mm  Package 1 Length 430 mm  Unit Type of Package 2 P12  Number of Units in Package 2 20  Package 2 Weight 103.62 kg  Package 2 Height 110 cm  Package 2 width 80 cm  Package 2 Length 120 cm  Offer Sustainability  Sustainable offer status Green Premium product  REACh Regulation REACh Declaration  REACh free of SVHC Yes  EU RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration  Mercury free Yes  RoHS exemption information Yes  China RoHS Regulation Product Environmental Profile  Circularity Profile End of Life Information  WEEE The product must be disposed on European Union markets following specific waste collection a never end up in rubbish bins  WARNING: This product can expose you to chemicals including: Lead and lead compounds, wis known to the State of California to cause cancer and birth defects or other reproductive harm	Package 1 Weight	4.6 kg
Package 1 Length 430 mm  Unit Type of Package 2 P12  Number of Units in Package 2 20  Package 2 Weight 103.62 kg  Package 2 Height 110 cm  Package 2 Length 80 cm  Package 2 Length 120 cm  Offer Sustainability  Sustainable offer status Green Premium product  REACh Regulation REACh Declaration  REACh free of SVHC Yes  EU RoHS Directive Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration  Mercury free Yes  RoHS exemption information Yes  China RoHS Regulation Product Environmental Profile  Circularity Profile End of Life Information  WEEE The product must be disposed on European Union markets following specific waste collection a never end up in rubblish bins  California proposition 65 WARNING: This product can expose you to chemicals including: Lead and lead compounds, wis known to the State of California to cause cancer and birth defects or other reproductive harm	Package 1 Height	186 mm
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RoHS exemption information  China RoHS Regulation  China RoHS declaration  Environmental Disclosure  Product Environmental Profile  Circularity Profile  End of Life Information  WEEE  The product must be disposed on European Union markets following specific waste collection a never end up in rubbish bins  California proposition 65  WARNING: This product can expose you to chemicals including: Lead and lead compounds, while is known to the State of California to cause cancer and birth defects or other reproductive harm	EU RoHS Directive	
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Environmental Disclosure  Product Environmental Profile  Circularity Profile  End of Life Information  WEEE  The product must be disposed on European Union markets following specific waste collection a never end up in rubbish bins  California proposition 65  WARNING: This product can expose you to chemicals including: Lead and lead compounds, while is known to the State of California to cause cancer and birth defects or other reproductive harm	RoHS exemption information	Yes
Circularity Profile  End of Life Information  The product must be disposed on European Union markets following specific waste collection a never end up in rubbish bins  California proposition 65  WARNING: This product can expose you to chemicals including: Lead and lead compounds, while is known to the State of California to cause cancer and birth defects or other reproductive harm	China RoHS Regulation	China RoHS declaration
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	California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

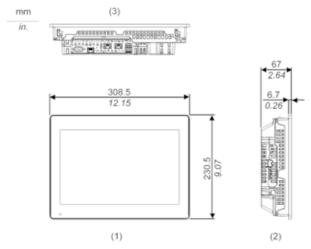
### **Contractual warranty**

Warranty	18 months
warrantv	10 HOHUIS

**Dimensions Drawings** 

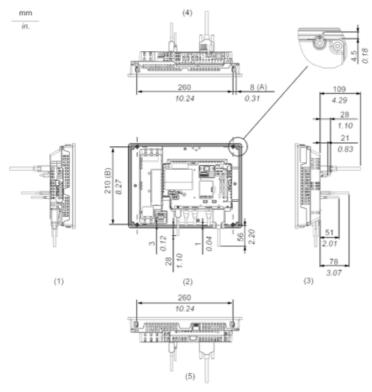
#### **External Dimensions**

#### **Display Unit with Box Module**



- 1 Front
- 2 Left
- 3 Bottom

#### Installation with Installation Fasteners and Dimensions with Cables



- (A) Rotation area of the fastener
- (B) Pitch of the center of installation fastner screws
- 1 Right
- 2 Front
- 3 Left
- 4 Bottom
- **5** Top

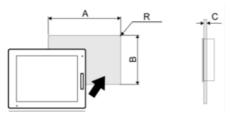
# **Product data sheet**

# **HMIDT651**

Mounting and Clearance

### Mounting

### **Panel Cut Dimensions**



#### Dimensions in mm

А	В	С	R
295 (+1/-0)	217 (+1/-0)	1.65	3 max.

#### Dimensions in in.

A	В	С	R
11.61 (+0.04/-0)	8.54 (+0.04/-0)	0.060.2	0.12 max.

### **Product data sheet**

## HMIDT651

Mounting and Clearance

#### **Installation Requirements**

#### **Mounting Angle**



When installing this product in a slanted position with an incline more than 30°, the ambient temperature must not exceed 40 °C (104 °F). You may need to use forced air cooling (fan, A/C) to ensure the ambient operating temperature is 40 °C or less (104 °F or less).

# **Product data sheet**

# **HMIDT651**

Mounting and Clearance

#### Clearance

