Product data sheet

Specifications

flat screen, Harmony GTU, 12.1inch wide display, smart WLAN

HMIDT643

⚠ **Discontinued on:** Jun 30, 2025

⚠ **To be end-of-service on:** Jun 30, 2029

⚠ **Discontinued - Service only**

Main

Range of product	Harmony GTU
Product or component type	Flat screen
Terminal type	Touchscreen display
[Us] rated supply voltage	12...24 V DC power supply
Supply voltage limits	10.8…28.8 V
Power consumption in W	23 W
Inrush current	30 A

Complementary

Integrated connection type	USB 2.0 type A USB 2.0 type mini B
Communication port protocol	WLAN at 2.4 GHz
Bandwidth	20 MHz
Operating mode	Infrastructure
Transmission rate	<= 11 Mbit/s conforming to IEEE 802.11b <= 54 Mbit/s conforming to IEEE 802.11g <= 72.2 Mbit/s conforming to IEEE 802.11n
Maximum sensing distance	30 m depending on surrounding environment
Touchscreen resolution	1024 x 1024
Display size	12.1 inch
Aspect ratio	4:3
Display type	Colour TFT LCD
Display resolution	1024 x 768 pixels XGA
Display colour	16 million colours
Backlight lifespan	50000 hours
Touch panel	Multi touch analogue resistive
Method of access	Client mode: 1…11, North America Client mode: 1…13, Japan Client mode: 1…13, Europe Client mode: 1…13, Korea Client mode: 1…13, China Client mode: 1…11, Taiwan Access point mode: 1…11
Encryption protocol	WEP 128 AES (Advanced Encryption Standard) TKIP

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Type of license	10 clients
Function available	Brightness sensor
Type of cooling	Natural convection
Type of installation	Indoor installation
Cut-out dimensions	301.5 (+ 1/- 0) x 227.5 (+ 1/- 0) mm
Width	315 mm
Height	241 mm
Depth	67 mm
Product weight	0.9 kg

Environment

IP degree of protection	Front panel: IP66 Front panel: IP67
NEMA degree of protection	NEMA 4X front panel
Standards	UL 508 ANSI/ISA 12-12-01 Class I division 2 CSA C22.2 No 213 CSA C22.2 No 142 IEC 61132-2
Product certifications	CE CULus KC RCM UKCA UKEX
Ambient air temperature for operation	0…60 °C conforming to IEC 61131-2
Ambient air temperature for storage	-20…60 °C
Relative humidity	10…90 % non-condensing
Operating altitude	2000 m
Vibration resistance	3.5 mm constant amplitude (f = 5…9 Hz) conforming to IEC 61131-2 9.8 m/s² (f = 9…150 Hz) conforming to IEC 61131-2
Shock resistance	147 m/s² conforming to IEC 61131-2
Electromagnetic compatibility	Electrostatic discharge immunity test level 3 conforming to IEC 61000-4-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	19.500 cm
Package 1 Width	33.500 cm
Package 1 Length	43.500 cm
Package 1 Weight	4.640 kg
Unit Type of Package 2	BB1
Number of Units in Package 2	2
Package 2 Height	35.500 cm
Package 2 Width	42.000 cm
Package 2 Length	46.000 cm

Package 2 Weight	10.270 kg
Unit Type of Package 3	P12
Number of Units in Package 3	20
Package 3 Height	140.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	108.000 kg

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained ›

How we assess product sustainability ›

Environmental footprint

Total lifecycle Carbon footprint	**1119**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

F-gas free	**Only air and vacuum used for insulation / breaking, no F-gas including SF6**
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**No**
EU RoHS Directive	**Pro-active compliance (Product out of EU RoHS legal scope)**
SCIP Number	**F7bde1f0-e6bc-4b91-91d2-88584de513eb**
REACh Regulation	**REACh Declaration**
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**
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**No**
Silicone-free	**No**

Use Again

Repack and remanufacture

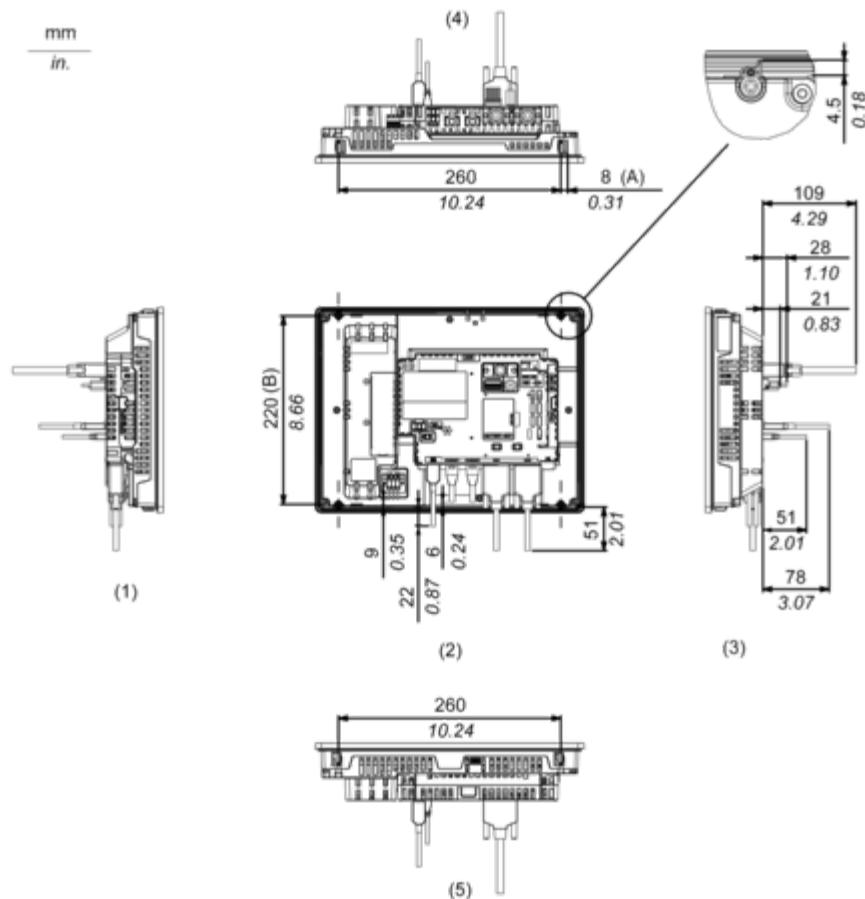|	
End of life manual availability	**End of Life Information**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

Dimensions Drawings

External Dimensions

Display Unit with Box Module
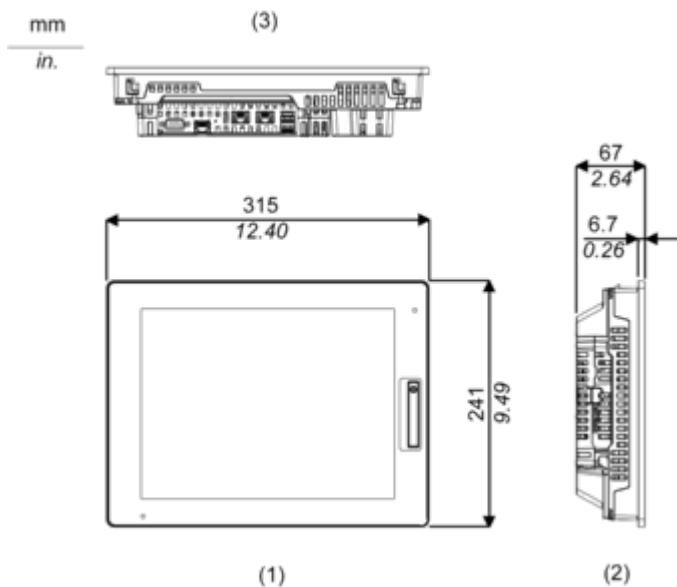
1 Front
2 Left
3 Bottom

Installation with Installation Fasteners and Dimensions with Cables

mm
in.

(4)

4.5
0.18

260
10.24

8 (A)
0.31

109
4.29

28
1.10

21
0.83

220 (B)
8.66

51
2.01

(1)

9
22 0.35
6 0.24
0.87

51
2.01

78
3.07

(2)

(3)

260
10.24

(5)

(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

Mounting and Clearance

Mounting

Panel Cut Dimensions
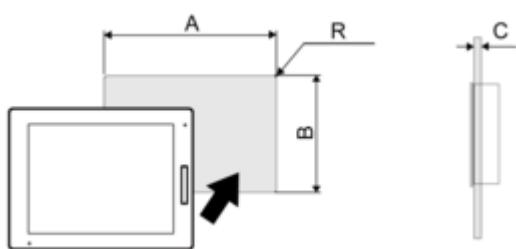
Dimensions in mm

A	B	C	R
301.5 (+1/-0)	227.5 (+1/-0)	1.6...5	3 max.

Dimensions in in.

A	B	C	R
11.87 (+0.04/-0)	8.96 (+0.04/-0)	0.06...0.2	0.12 max.

Installation Requirements

Mounting Angle
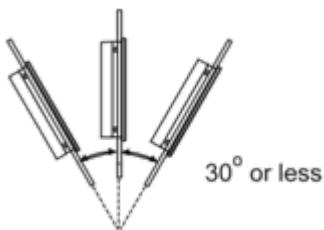
30° or less

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).
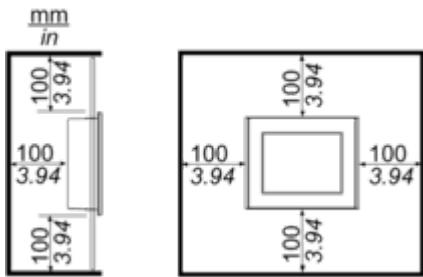
Clearance

Image of product / Alternate images

Alternative