

Product datasheet

Specifications



Edge Box HMI, Harmony ST6, 1COM, 2Ethernet, 2 USB, 24 VDC

HMISTM6BOXIOT

Main

Range of product	Harmony ST6
Product or component type	Modular HMI box
Software package	EcoStruxure machine SCADA expert runtime 500 tags pre-activated EcoStruxure machine SCADA expert runtime (mobile) 1 client activated EcoStruxure secure connect advisor pre-installed
Operating system	Linux
Processor name	ARM Cortex-A8
Memory description	512 KB NVRAM backup memory 512 MB internal RAM 1 GB NAND flash

Complementary

[Us] rated supply voltage	24 V DC
Local signalling	LED multi-colour
Integrated connection type	2 Ethernet TCP/IP - RJ45 - 10/100BASE-T 1 COM1 serial link - RJ45 - RS232C/RS485 (rate: 2400...115200 bps) 1 USB 2.0 port - USB micro-B 1 USB 2.0 port - USB type A
Type of cooling	Natural convection
Realtime clock	Built-in
Height	101 mm
Width	150.5 mm
Depth	63.3 mm
Net weight	0.456 kg

Environment

Standards	UL 61010 CSA C22.2 No 61010-2-201 UL 121201 CSA C22.2 No 213 IEC 61132-2
Product certifications	CE UKCA cULus RCM KC cULus Class 1 Division 2 ABS RINA DNV
Pollution degree	2 conforming to IEC 61131-2 ed.3

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Ambient air temperature for operation	0...60 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	10...90 % non-condensing
Operating altitude	2000 m
Shock resistance	147 m/s² conforming to IEC 61131-2
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
Electromagnetic compatibility	Electrostatic discharge immunity test conforming to IEC 61000-4-2 level 3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9 cm
Package 1 Width	18 cm
Package 1 Length	27 cm
Package 1 Weight	678 g
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.793 kg

Contractual warranty

Warranty (in months)	18
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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	279 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	91 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	188 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.

Use Better



Materials and Substances

F-gas free	K izolaci a zhášení je využíváno pouze vzduchové a vakuové médium; bez obsahu F-plynů včetně SF6.
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	715da6e9-302b-4bd3-a8b4-7f8cdd474a0e
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



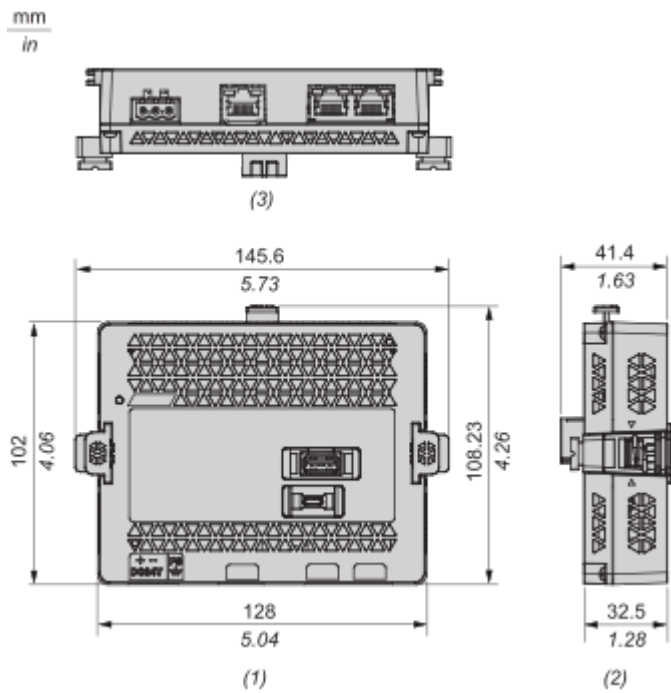
Repack and remanufacture

End of life manual availability	End of Life Information
Removable battery	User replaceable
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

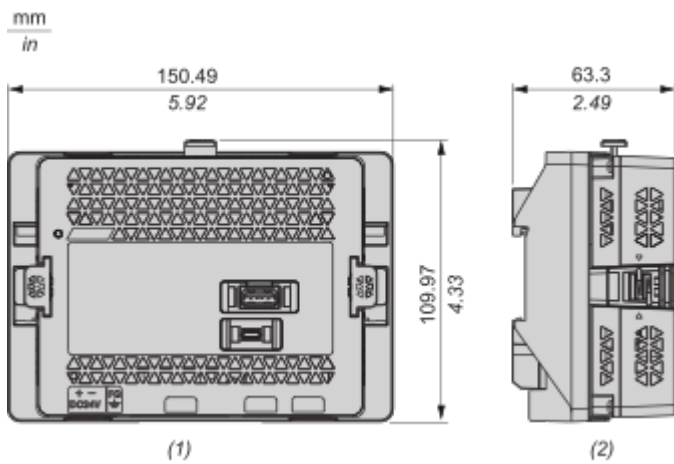
Dimensions

External dimensions



- (1) : Front
- (2) : Right
- (3) : Bottom

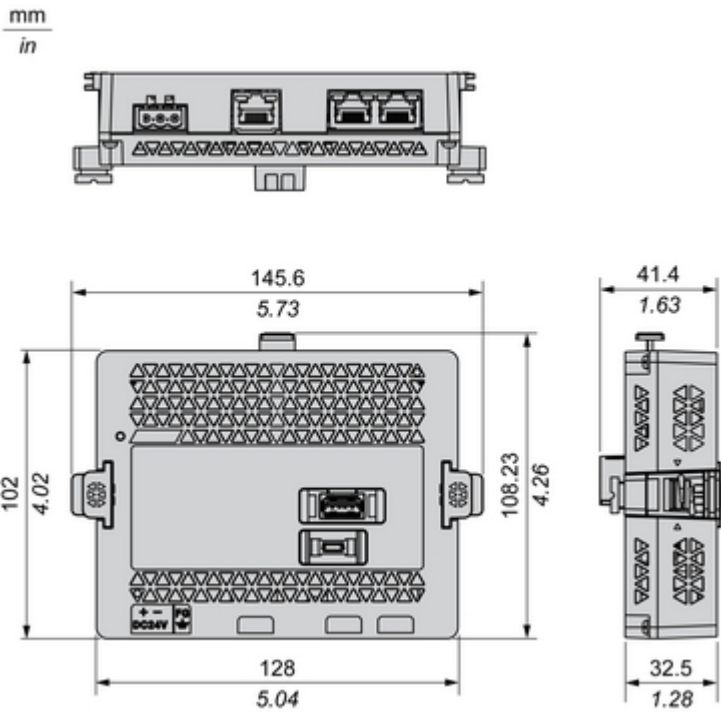
Dimension with installation adapter



- (1) : Front
- (2) : Right

Technical Illustration

Dimensions

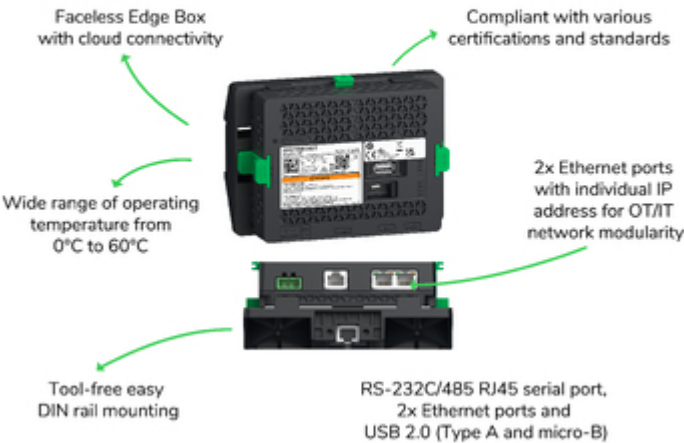


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony ST6 Edge Box HMI



Offer Marketing Illustration

Product benefits / Features

Features

Harmony ST6 Edge Box HMI



Efficient data collection



Enable remote monitoring and remote maintenance securely by PC, tablet and smartphone



Get ready for Cloud service



Cybersecurity enhancement with secure boot and encrypted transfer



User-friendly protocols allowing you to easily connect your OT devices to IT with OPC-UA, MQTT, SQL



Easy configuration with EcoStruxure™ Machine SCADA Expert



Image of product / Alternate images

Alternative





