



Main

Range of product	Harmony STO & STU
Product or component type	Touch panel screen
Software designation	Vijeo Designer
Operating system	Harmony
Processor name	CPU ARM9

Complementary

Display size	3.5 inch
Display type	QVGA TFT colour touchscreen
Display colour	65536 colours
Display resolution	320 x 240 pixels QVGA
Touch panel	Analogue
Backlight lifespan	50000 hours
Brightness	16 levels
Character font	Chinese (simplified Chinese) Japanese (ANK, Kanji) Taiwanese (traditional Chinese) Korean ASCII
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	20.4...28.8 V
Inrush current	30 A
Power consumption in W	6.5 W
Number of pages	Limited by internal memory capacity
Processor frequency	333 MHz
Memory description	Application memory 16 MB Back up of data 64 kB
Integrated connection type	1 USB 2.0 type mini B 1 USB 2.0 type A COM1 serial link - female RJ45 - RS232C/RS485 (rate: <= 115.2 kbits/s) Power supply - removable screw terminal block
Realtime clock	Access to the PLC real-time clock
Downloadable protocols	Third party protocols Modbus TCP/IP Uni-TE Modbus
Fixing mode	Ø 22 mm hole
Enclosure material	PC/PBT
Marking	CE

Height	98.15 Mm
Width	118 Mm
Depth	55.3 Mm
Net weight	0.544 Kg

Environment

Immunity to microbreaks	10 Ms
Standards	IEC 61000-6-2 UL 1604 EN 61131-2 FCC Class A UL 508
Product certifications	C-Tick CULus Marine UL class 1 Div2 T4A ou T5
Ambient air temperature for operation	0...50 °C
Ambient air temperature for storage	-20...60 °C
Relative humidity	0...85 % without condensation
Operating altitude	<= 2000 m
IP degree of protection	IP20 (rear panel) conforming to IEC 60529 IP65 (front panel) conforming to IEC 60529
NEMA degree of protection	NEMA 4X front panel (indoor use)
Shock resistance	15 gn for 11 ms conforming to IEC 60068-2-27
Vibration resistance	+/- 3.5 mm (f = 5...9 Hz) conforming to IEC 60068-2-6 1 gn (f = 9...150 Hz) conforming to IEC 60068-2-6
Resistance to electromagnetic fields	10 V/M conforming to IEC 61000-4-3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	18.796 Cm
Package 1 Width	13.716 Cm
Package 1 Length	7.62 Cm
Package 1 Weight	512.559 G

Product Life Status : **Commercialised**