



### Main

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

### Complementary

Display size	5.7 inch
Display type	QVGA TFT colour touchscreen
Display colour	65536 colours
Pixel resolution	320 x 240 pixels
Touch panel	Analogue
Backlight lifespan	50000 hours
Brightness	16 levels
Character font	ASCII Chinese (simplified Chinese) Japanese (ANK, Kanji) Korean Taiwanese (traditional Chinese)
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	20.4...28.8 V
Inrush current	<= 30 A
Power consumption	6.8 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 (V2.0) port mini B USB 1 USB (V2.0) port USB type A COM1 serial link female RJ45, transmission rate <= 115.2 kbits/s (RS232C/RS485) Power supply removable screw terminal block
Realtime clock	Access to the PLC real-time clock
Downloadable protocols	Modbus Modbus TCP/IP Third party protocols Uni-TE
Fixing mode	Ø 22 mm hole
Enclosure material	PC/PBT and PAA
Marking	CE
Height	129.15 mm
Width	163 mm
Depth	56.5 mm

## Environment

Immunity to microbreaks	<= 7 ms
Standards	EN 61131-2 FCC Class A IEC 61000-6-2 UL 1604 UL 508
Product certifications	C-Tick CULus 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