Product data sheet
Characteristics

XBTGK2120
Advanced touchscreen panel with keyboard, Harmony XBTGK, 320 x 240 pixels QVGA, 5.7, standard LCD



⚠ End of Commercialisation

Commercial status
End of Commercialisation : DEC 31, 2016

Main

Range of product	Harmony XBTGK
Product or component type	Advanced touchscreen panel with keyboard
Display type	Backlit monochrome STN LCD
Display colour	Black and white 16 levels of grey
Display resolution	320 x 240 pixels QVGA
Display size	5.7 inch
Software type	Configuration software
Software designation	Vijeo Designer
Operating system	Harmony
Processor name	CPU RISC
Processor frequency	133 MHz
Memory description	512 KB SRAM back up of data with lithium battery back-up 16 MB flash EPROM application memory
Integrated connection type	RJ45 connector COM2 serial link with RS485 interface at <= 187.5 kbit/s, compatible with Siem 1USB type A master port (V1.1), compatible with Modicon M340 terminal port communication Male SUB-D 9 connector COM1 serial link with RS232C/RS422/RS485 interface at <= 115.2 k removable screw terminal block connector power supply
Resistance to electrostatic discharge	4 KV conforming to IEC 61000-4-2 level 3
Cut-out dimensions	209 (+/- 0.4) x 243 (+/- 0.4) mm

Complementary

Touch sensitive zone	1024 x 1024
Touch panel	Analogue
Backlight lifespan	58000 hours
Brightness	8 levels via touch panel
Contrast	8 levels via touch panel
Character font	Chinese (simplified Chinese) Japanese (ANK, Kanji) Korean ASCII (European characters) Taiwanese (traditional Chinese)
[Us] rated supply voltage	24 V DC
Supply	External source
Supply voltage limits	19.2…28.8 V
Inrush current	30 A
Power consumption in W	26 W

Number of dynamic function keys symb	14 with LED
Number of static function keys	10 with LED and labels
Number of SERVICE keys	8
Number of alphanumeric keys	12
Local signalling	1 LED (green or orange) for normal operation or backlighting faulty
Number of pages	Limited by internal memory capacity
Downloadable protocols	Telemecanique Modicon FIPWAY Telemecanique Modicon Modbus Plus Telemecanique Modicon Modbus TCP Telemecanique Modicon Modbus Mitsubishi Melsec third party protocols Omron Sysmac third party protocols Rockwell Automation Allen-Bradley third party protocols Siemens Simatic third party protocols Telemecanique Modicon Uni-TE
Realtime clock	Built-in
Data storage equipment	1 Compact Flash card >= 1 GB
Use of slot	For 1 fieldbus communication card (Device Net, Profibus DP)
Port Ethernet	10BASE-T/100BASE-TX
Product mounting	Flush mounting
Fixing mode	By 10 spring clips By 4 screw clamps
Front material	Aluminium alloy
Enclosure material	PPT
Marking	CE
Width	220.3 Mm
Height	265 Mm
Depth	60.3 Mm

Environment

Immunity to microbreaks	5 Ms
Standards	UL 508 FCC Class A IEC 61000-6-2 UL 1604 EN 61131-2 CSA C22.2 No 14
Product certifications	cULus[RETURN]C-Tick[RETURN]CSA Class 1 Division 2 T5[RETURN]UL Class 1 Division 2 T4A[
Ambient air temperature for operation	0…50 °C
Ambient air temperature for storage	-20…60 °C
Relative humidity	0…90 % 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	1 gn conforming to IEC 60068-2-6 (f = 9…150 Hz) 3.5 mm conforming to IEC 60068-2-6 (f = 5…9 Hz)
Resistance to electromagnetic fields	10 V/M conforming to IEC 61000-4-3
Resistance to fast transients	2 KV conforming to IEC 61000-4-4 level 3

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	21.0 Cm
Package 1 Width	37.0 Cm
Package 1 Length	39.0 Cm
Package 1 Weight	3.392 Kg

Offer Sustainability

Recyclability potential, in %	33
Total lifecycle Carbon footprint	398 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	132.8286842325432
Carbon footprint of the manufacturing phase [A1 to A3]	133 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.9718534286833398
Carbon footprint of the distribution phase [A4]	1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.04528127086247221
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	260.6342045499823
Carbon footprint of the use phase [B2, B3, B4, B6]	261 kg CO2 eq.
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	3.5921097381299676
Carbon footprint of the end-of-life phase [C1 to C4]	4 kg CO2 eq.
Total lifecycle Carbon footprint	398

Contractual warranty

Warranty (in months)	18

Product Life Status : End of commercialisation

XBTGK2120 may be replaced by any of the following products:



HMIGK2310

Keypad touchscreen panel color, 320 x 240 pixels QVGA, 5.7", TFT LCD

Qty 1

Substitution date: |