



X2 base 5

5" HMI with iX runtime

The X2 base 5 HMI is a cost-effective industrial HMI with high-resolution 5 inch touch-screen and modern design. The X2 base 5 combines IP65 corrosion resistant plastic housing with the full version of the iX software, providing a cost-effective yet advanced HMI solution for small to medium applications.

800 × 480 pixel (16:9)

TFT-LCD touch screen

200 MB application memory

1 × Ethernet, 4 × serial, 1 × USB as standard

Operating temperature -10° to +50° C

CE, FCC, KCC, UL approvals

i [Important life cycle dates, read more ->](#)

Facts

General description

Part number	630005105
Life cycle status	Mature
Warranty	2 year

Certifications

General	CE, FCC, KCC, UL 61010-2-201
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Mechanical

Mechanical size	170 x 107 x 49mm
Mounting option	Panel Mount
Number of touches	1 million finger touch operations
Touch type	Resistive
Cut-out size	161 x 93mm
Weight	0.5 kg
Housing material	Plastic (PC+ABS), Gray
Buzzer	Yes
LED	Yes

Power

Input voltage	24 V DC (18 to 32 VDC)CE: The power supply must conform with the requirements according to IEC 60950 and IEC 61558-2-4.UL and cUL: The power supply must conform with the requirements for class II power supplies.
Power consumption (max)	6W
Input fuse	Internal DC fuse

System

CPU	ARM9 400 MHz
RAM	128 MB
FLASH	256 MB, 200 MB free

Drivers

ABB - COMLI Master (5.7.2)
ABB - COMLI Slave (4.11.0)
ABB - TotalFlow (5.2.1)
Allen Bradley - ControlLogix Ethernet IP (4.24.1)
Allen Bradley - DF1 (5.8.0)
Allen Bradley - DH485 (4.6.2)
Allen Bradley - MicroLogix Ethernet (5.6.0)
Allen Bradley - SLC5/PLC5 Ethernet (5.4.0)
Altus - Alnet I (5.8.0)
Animatics - SmartMotor (5.2.1)

More drivers

Smart Engineering Resources

Display

Size diagonal	5" diagonal
Resolution	800x480 pixels
Backlight	LED Backlight
Backlight life time	20000 hours
Backlight brightness	300 cd/m2
Backlight dimming	Industrial Dimming
Display type	TFT-LCD with LED backlight

Serial communication

Number of serial ports	2 Port 9pin DSUB
Serial port 1	RS 232 (RTS/CTS)
Serial port 2	RS422/485
Serial port 3	RS 232
Serial port 4	RS 485

Ethernet communication

Number of Ethernet ports	1
Ethernet port 1	1x10/100 Base-T (shielded RJ45)

Expansion interface

Expansion port	No
SD card	No
USB	1xUSB 2.0 400mA

Environmental

Operating temperature	-10°C to +50°C
Storage temperature	-20° to +60°C
Shock	15g, half-sine, 11ms according to IEC60068-2-27
Vibration	1g, according to IEC 60068-2-6, Test Fc
Sealing front	IP65, NEMA 4X/ 12 and UL Type 4X/ 12
Sealing back	IP20
Humidity	5% – 85% non-condensed

LS Industrial System - Glofa (5.3.0)
LS Industrial System - Master K (5.4.0)
Matsushita - MEWTOCOL-COM (5.9.2)
Mitsubishi Electric - Alpha2 (5.7.0)
Mitsubishi Electric - A-series (C24) (5.6.0)
Mitsubishi Electric - A-series (CPU) (5.10.0)
Mitsubishi Electric - A-series (E71) (5.4.0)
Mitsubishi Electric - Freqrol FR-A PLC (5.8.2)
Mitsubishi Electric - FX Series ADP/BD (5.10.0)
Mitsubishi Electric - FX Series FNET (5.4.1)

📎 Custom recipe - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/6774/custom-recipe-ix-script-module)	📎 X2 to BFI by Modbus RTU - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10256/x2-script-module)
📎 Password expire - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7277/password-expire-ix-script-module)	📎 MQTT Client - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10257/mqtt-client-ix-script-module)
📎 Barcode scanner USB - iX script module V1.0.1 (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/15426/barcode-scanner-usb-ix-script-module-v1-0-1)	📎 MQTT Client (JSON) - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10227/mqtt-client-json-ix-script-module)
📎 Detect VNC Client - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10259/detect-vnc-client-ix-script-module)	📎 X2 to BFI-E3 by Modbus TCP - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10387/x2-to-bfi-e3-by-modbus-tcp-ix-script-module)
📎 Log custom debug messages - iX sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/6781/log-custom-debug-messages-ix-sample)	📎 Login dialog customized - iX script sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10389/login-dialog-customized-ix-script-sample)
📎 Recipes with pictures - iX sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7068/recipes-with-pictures-ix-sample)	📎 X2 Clock sync from PLC - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10391/x2-clock-sync-from-plc-ix-script-module)
📎 Customise report - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7070/customise-report-ix-script-module)	📎 Quadratic terms calculator - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10723/quadratic-terms-calculator-ix-script-module)
📎 DatePicker - iX Developer script (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7071/date-picker-ix-developer-script)	📎 iX CyberSecurity Extension V1.1.8 (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/15429/ix-cybersecurity-extension-v1.1.8)
📎 Execute external SQL queries from file (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/7275/execute-external-sql-queries-from-file)	📎 Scheduler online editor - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10003/scheduler-online-editor-ix-script-module)
📎 Barcode scanner serial - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10086/barcode-scanner-serial-ix-script-module)	📎 Detect Internet connection - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10258/detect-internet-connection-ix-script-module)
📎 Serial ReadWrite - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10085/serial-readwrite-ix-script-module)	📎 Detect USB or SD card - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10260/detect-usb-or-sd-card-ix-script-module)
📎 X2 base V2 to GL9971 (PIO) sample (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10254/x2-base-v2-to-gl9971-pio-sample)	
📎 X2 to BFI-P2/H3 by Modbus TCP - iX script module (https://smartstore.beijerelectronics.com/en/Smart_Engineering_Resources/10255/x2-to-bfi-p2/h3-by-modbus-tcp-ix-script-module)	