



X2 control 7

7" HMI with iX runtime and CODESYS soft control

800 x 480 pixel (16:9) TFT-LCD touch screen
 1.5 GB application memory
 Ethernet 2x100 Mbit
 EtherCAT as standard
 CODESYS control integrated
 CE, FCC, KCC, UL approvals
 DNV, KR, GL, LR, ABS, CCS marine approvals

Facts

General description

Part number	630001805
Part status	Active
Warranty	2 year

Certifications

General	CE, FCC, KCC, UL 61010-2-201
Marine	DNV, KR, GL, LR, ABS, CCS

Mechanical

Mechanical size	204 x 143 x 50mm
	Panel Mount, VESA 75 x 75
	1million finger touch operations
Touch type	Resistive
Cut-out size	189 x 128mm
Weight	0.8 kg
Housing material	Powder-coated aluminum, Gray

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)	14.4W
Input fuse	Internal DC fuse

CPU	i.MX6DualLite, Dual Cortex-A9 1.0GHz 512kBL2cache
RAM	1 GB
FLASH	2GB SSD(eMMC), 1.5GB free for application

Display

Size diagonal	7" diagonal
Resolution	800x480 pixels
Backlight	LED Backlight
Backlight life time	20000 hours
Backlight brightness	350 cd/m2
Backlight dimming	Industrial Dimming
Display type	TFT-LCD with LED backlight

Drivers

Abb - COMLI Master (5.7.2)
Abb - COMLI Slave (4.11.0)
Abb - TotalFlow (5.2.1)
AllenBradley - ControlLogix Ethernet IP (4.24.1)
AllenBradley - DF1 (5.8.0)
AllenBradley - DH485 (4.6.2)
AllenBradley - MicroLogix Ethernet (5.6.0)
AllenBradley - SLC5/PLC5 Ethernet (5.4.0)
Altus - Alnet I (5.8.0)
Animatics - SmartMotor (5.2.1)
Beckhoff - ADS (5.12.1)
Beckhoff - ADS Symbolic (4.7.0)
BeijerElectronics - iX Demo (4.4.0)
BerneckerRainer - Mininet (5.6.0)
BoschRexroth - IndraDrive C (5.2.1)
Can - FreeCan (I1939/NMEA2000) (5.3.5)
Can - CANopen (5.4.0)
Codesys - ARTI v2.x, v3.x (4.8.0)
Codesys - SoftControl Direct Access (4.4.0)
Cognex - InSight (5.2.2)
ControlTechniques - Unidrive (5.3.1)
Ctc - Serial Binary (5.4.2)
Delta - PLC Modbus ASCII (5.6.0)
Emerson - Modbus Master RTU/ASCII (5.4.0)
Eurotherm - Easy Serial 631 (5.1.1)
Fatek - Facon (5.10.0)
Galil - DMC (5.2.2)
Ge - Ethernet SRTP (5.5.0)
Ge - SNPX (5.6.1)
GiddingsLewis - Motion control (5.4.0)
Iai - Xsel (5.4.1)
Idec - Computer Link (5.8.0)
JohnsonControl - JCONTROL (5.2.1)
Keb - COMBIVERT (5.4.0)
Keyence - KV-series (5.6.0)
Koyo - DirectNET (5.5.0)
Koyo - K Sequence (5.3.1)
Lenze - LECOM A/B (5.6.0)

Softcontrol

Codesys runtime version	3.5
Codesys EtherCAT	Yes
Codesys Modbus Ethernet	Yes
Codesys Modbus RTU	Yes
Non volatile variables	32 KB

Communication serial

Number of serial ports	1 Port 9pin DSUB
Serial port 1	RS 232 (RTS/CTS)
Serial port 2	RS422/485
Serial port 3	RS485 (only if COM 2 is RS485)

Ethernet communication

Number of ethernet ports	2
Ethernet port 1	1x10/100 Base-T (shielded RJ45)
Ethernet port 2	1x10/100 Base-T (shielded RJ45)

Expansion interface

Expansion port	Yes, cIX expansion module
SD card	SD and SDHC
USB	1xUSB 2.0 500mA

Environmental

Operating temperature	-10°C to +60°C
Storage temperature	-20°C to +70°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

LsIndustrialSystem - Glofa (5.3.0)
LsIndustrialSystem - Master K (5.4.0)
Matsushita - MEWTOCOL-COM (5.9.2)
MitsubishiElectric - Alpha2 (5.7.0)
MitsubishiElectric - A-series (C24) (5.6.0)
MitsubishiElectric - A-series (CPU) (5.10.0)
MitsubishiElectric - A-series (E71) (5.4.0)
MitsubishiElectric - Fregrol FR-A PLC (5.8.2)
MitsubishiElectric - FX Series ADP/BD (5.10.0)
MitsubishiElectric - FX Series ENET (5.4.1)
MitsubishiElectric - FX Series Serial (5.16.0)
MitsubishiElectric - MC Protocol (5.11.4)
MitsubishiElectric - MR-J2/MR-J3-T MELSERVO (5.9.0)
MitsubishiElectric - QnA/Qnn Serial (5.10.0)
MitsubishiElectric - QnA/Qnn (C24) (5.5.0)
MitsubishiElectric - Q-Series Ethernet (E71) (5.5.0)
Modicon - Modbus Master (5.19.4)
Modicon - Modbus Slave RTU/TCP (4.20.2)
Nema0183 - NEMA 0183 (4.6.0)
Omron - Ethernet IP (4.3.3)
Omron - FINS (5.9.5)
Omron - Host Link (5.6.0)
Regin - EXoline (5.3.2)
Profibus - Profibus DP (5.5.1)
Saia - S-BUS Serial/Ethernet (5.7.0)
SchneiderElectric - Modbus (5.3.0)
SchneiderElectric - TSX Uni-Telway (4.5.3)
Siemens - S5 PG/AS111 (5.4.0)
Siemens - S7 200 PPI (5.8.5)
Siemens - S7 over TCP (S7-200/300/400/1200/1500) (4.18.0)
Siemens - MPI (HMI Adapter) (5.7.0)
Siemens - MPI (CIX) (5.3.0)
Wago - Modbus TCP (5.10.0)
Vigor - M/VB-Series (5.6.0)
Yamaha - VIP (5.2.1)
Yaskawa - Memobus Master (5.7.0)
Yokogawa - FA-M3 (5.6.0)