

F2070E2

7" widescreen HMI · Kinco FUTURE Series 2

Rugged 7" premium HMI from the FUTURE Series 2 with two separate networks for demanding industrial environments. A 1.8 GHz quad-core, 1 GB RAM and full conformal PCB coating deliver smooth visualizations and high reliability. Programmed with the free Kinco DTools Pro software – with remote maintenance, OPC UA and VPN included as standard, no licensing model and no extra cost.



7"

TFT, 16.7 M colors

800 × 480

Resolution, resistive

Quad-Core

1.8 GHz ARM CPU

1 / 8 GB

RAM / Flash

2 × Ethernet

Gigabit + 10/100

400 cd/m²

Brightness

At a glance

- 7" resistive 4-wire touch, 800 × 480, 16.7 M colors, glove-compatible
- 2 × Ethernet (Gigabit + 10/100), 3 × COM (RS232/485/422), USB host + slave
- Remote maintenance, OPC UA, MQTT and VPN included ex works
- Quad-core 1.8 GHz ARM CPU with 1 GB RAM and 8 GB eMMC Flash
- DC 24 V (18–28 V), galvanically isolated, full conformal PCB coating, IP65 front
- Free Kinco DTools Pro software with over 60 PLC drivers

Interfaces

LAN0 10/100/1000 Mbit/s, RJ45	LAN1 10/100 Mbit/s, RJ45
COM0 RS232 / RS485 / RS422	COM1 RS485 / RS422
COM2 RS232	USB Host + Slave



Technical data

DISPLAY

Type	7" TFT-LCD, 16.7 M colors
Resolution	800 × 480 pixels
Brightness	400 cd/m²
Touch	resistive, 4-wire (glove-compatible)
Backlight	LED, > 30,000 h
Operation	finger, glove, stylus

INTERFACES

LAN0	10/100/1000 Mbit/s (RJ45)
LAN1	10/100 Mbit/s (RJ45)
COM0	RS232 / RS485 / RS422
COM1	RS485 / RS422
COM2	RS232
USB	Host + Slave

ENVIRONMENT

Operating temperature	-10 ... +60 °C
Storage temperature	-20 ... +60 °C
Humidity	10–90 % RH
Front protection	IP65
PCB coating	full conformal coating

PROCESSING & MEMORY

Processor	ARM RISC 32-bit Quad-Core, 1.8 GHz
Working memory	1 GB RAM
Flash storage	8 GB eMMC
Real-time clock	integrated (RTC)
Configuration	Kinco DTools Pro

POWER SUPPLY

Input	DC 24 V (18–28 V)
Power consumption	7 W
Isolation	galvanically isolated
Connection	plug terminal FG / 0V / 24V

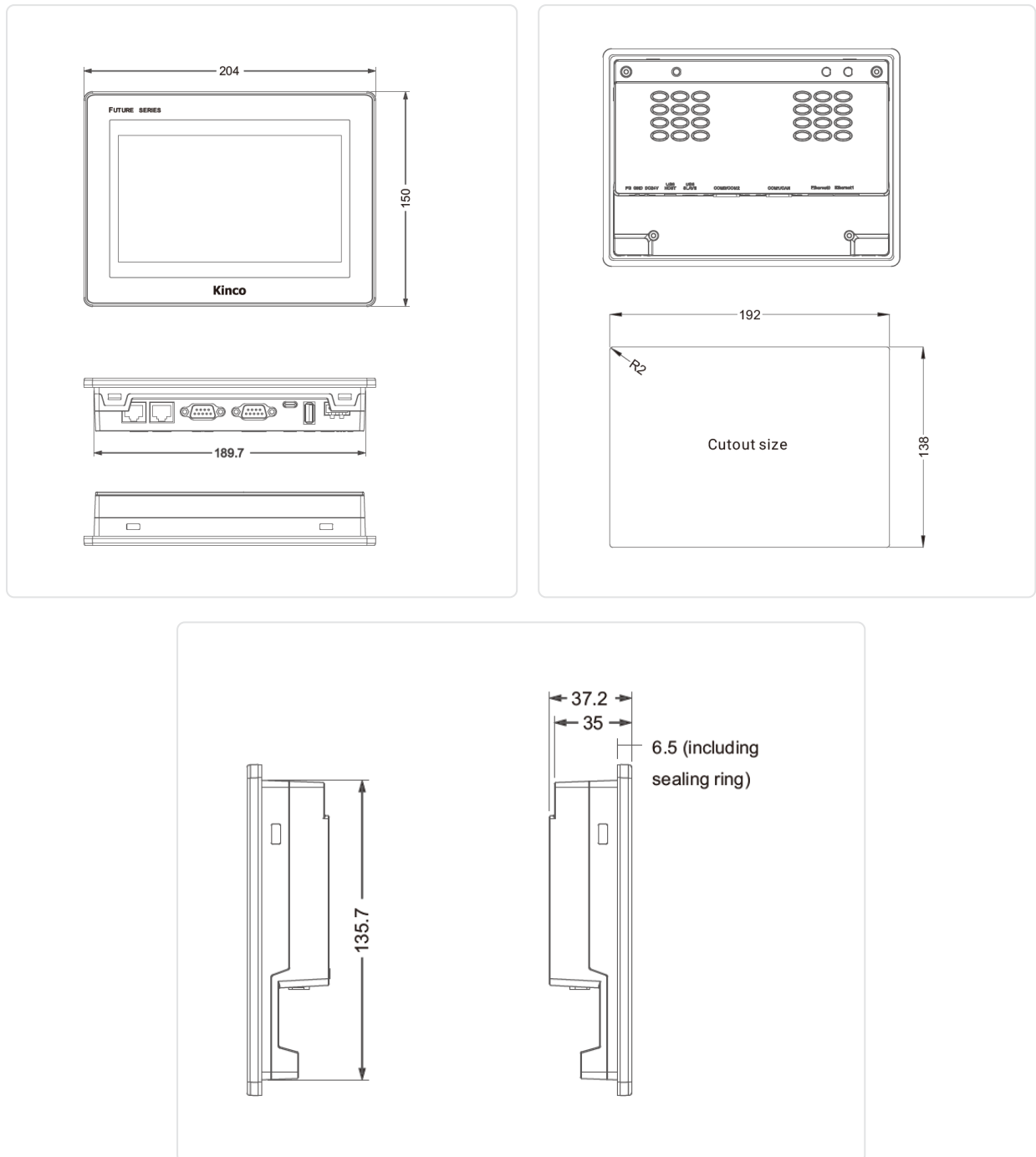
MECHANICS

Outer dimensions	204 × 150 × 37 mm
Panel cut-out	192 × 138 mm (R2)
Enclosure	reinforced plastic, fanless
Mounting	panel mounting

Software, protocols & PLC drivers

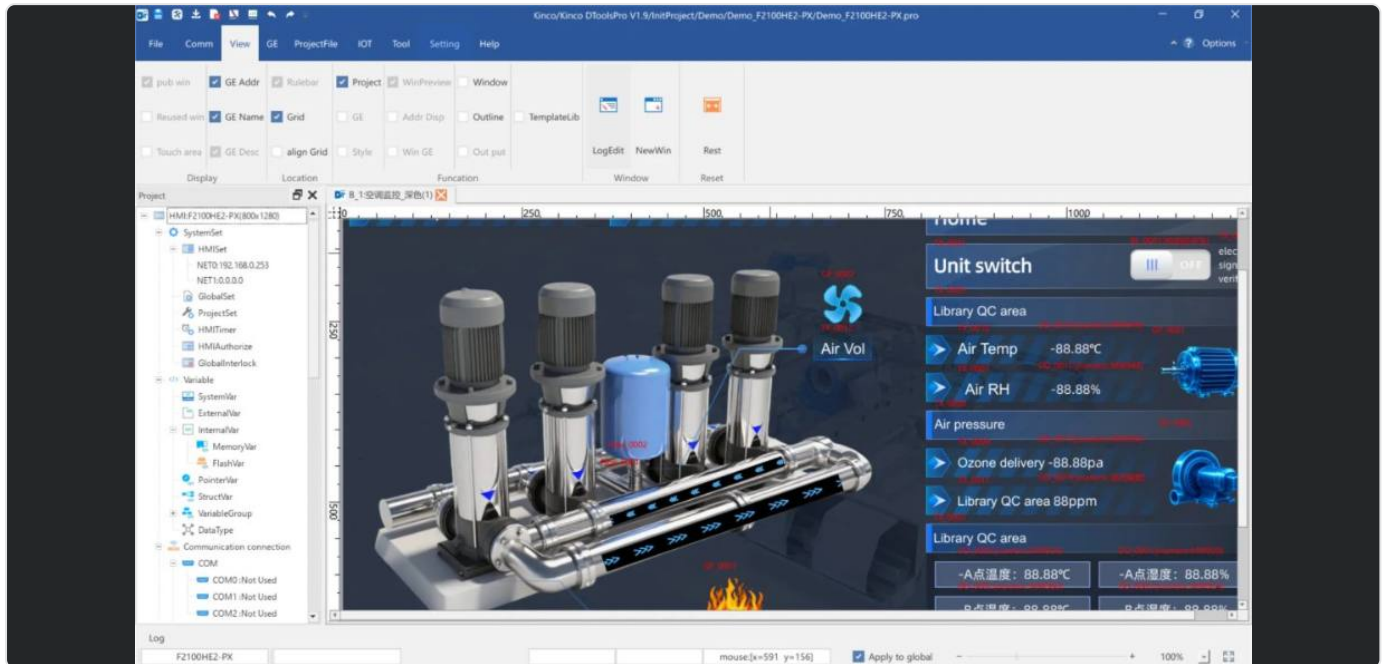
Kinco DTools Pro	EdgeAccess 2 (remote)	Modbus RTU/TCP (Master/Slave)	OPC UA	MQTT	BACnet	VPN
NTP						
Siemens S7-200/300/400	Siemens S7-1200/1500	Siemens LOGO!	Mitsubishi FX	Omron		
Beckhoff TwinCAT ADS	Allen-Bradley	CODESYS V3	Schneider	Xinje XC/XD/XL	Kinco PLC	

■ Dimensions (mm)



Front, side and rear view · all dimensions in mm · **Panel cut-out 192 × 138 mm (R2)**

Software



Kinco DTools Pro free configuration software – graphical interface, C macros, over 60 PLC drivers

Scope of delivery & certification

- Device with mounting fasteners
- Plug terminal for power supply
- Conformity: CE (EN IEC 61000-6-2:2019 / 61000-6-4:2019), UL on request
- Free Kinco DTools Pro configuration software