FE6370HC

Flexem Automation Co., Ltd. · FE6300 Series

FEATURES

Flexem 7-inch wide-viewing-angle resistive-touch HMI with black engineering-plastic bezel, no built-in Ethernet.

Hardware

CPU:
1GHz dual-core ARM Cortex-A7

Memory:
256MB DDR3 + 256MB Flash

Real-time clock:
Built-in

SD card slot:
Not supported

Bluetooth:
Not supported

Screen

Display:
7" 16:9 TFT LCD

Viewing angles (T/B/L/R):
85°/85°/85°/85°

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Resolution:
1024×600

Colors:
24-bit

Brightness:
350 cd/m²

Backlight:
LED

LCD lifetime:
50,000 hours

Touch panel:
4-wire industrial resistive touch screen

Communication

Built-in ports:
1×Type-C 2.0 (USB Slave), 1×USB Type A 2.0 (USB Host)

Ethernet:
Not supported

Serial ports:
COM1: RS232/RS485/RS422; COM2: RS485; COM3: RS232

Programming software:
FStudio

Program download:
USB Slave / U-disk

Protocols:
Not published in official datasheet

Communication expansion:
FLink2 pluggable IIoT module slot

I/O

Electrical

Supply voltage:
DC 24V (range DC 9 to 28 V)

Power consumption:
<10W maximum

Power protection:
Lightning and surge protection

Power interruption tolerance:
<5ms maximum

EMC:
EN61000-6-2:2019, EN61000-6-4:2019, RoHS; surge ±1kV, EFT ±2kV, ESD contact 4kV / air 8kV

Environmental

Operating temperature:
0 to 50 °C

Storage temperature:
-20 to 60 °C

Relative humidity:
10 to 90% RH (non-condensing)

Vibration endurance:
10 to 25 Hz, 2G in X/Y/Z for 30 minutes

Protection rating:
Front IP65 (with flush panel), rear IP20

Physical

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Enclosure:
Engineering plastic, black

Panel cutout (W×H):
190×136 mm

Dimensions (H×W×D):
145×204×36.6 mm

Weight:
~0.476 kg (476 g)

Lifecycle

Current Flexem product line; official FE6300 series comparison page active as of 2026-09 (Last verified:
2026-09)