FE6070C

Flexem Automation Co., Ltd. · FE6000 Series

FEATURES

7-inch 16:9 widescreen resistive-touch IoT HMI in the Flexem FE6000 series, black engineering-plastic bezel, with RS232/485/422 serial and USB ports.

Hardware

CPU:
600 MHz ARM Cortex-A8

Memory:
128 MB Flash + 128 MB DDR3

Real-time clock:
Built-in

Programming software:
FStudio

IoT expansion:
FLink module slot (optional 2G/4G/WiFi modules)

Screen

Display:
7" 16:9 TFT LCD

Resolution:
800×480

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Colors:
24-bit

Brightness:
350 cd/m² typical

Viewing angles (T/B/L/R):
50°/70°/70°/70°

Touch panel:
4-wire industrial resistive touchscreen

Backlight:
LED

LCD lifetime:
50,000 hours

Communication

Built-in serial:
COM1 (RS232/RS485/RS422), COM3 (RS232)

Ethernet:
None

USB:
1× USB Slave 2.0, 1× USB Host 2.0

SD card slot:
Not available

Bluetooth:
Not available

Protocols:
Not published in official datasheet

Program download:
USB slave / USB flash drive

I/O

Electrical

Supply voltage:
DC 24 V nominal, operating range DC 9–28 V

Power consumption:
<10 W maximum

Power protection:
Lightning surge protection

Power interruption tolerance:
<5 ms

EMC:
EN61000-6-2:2005, EN61000-6-4:2007, RoHS; lightning surge ±1 kV, group pulse ±2 kV; electrostatic contact 4 kV, air discharge 8 kV

Environmental

Operating temperature:
0 to 50 °C

Storage temperature:
-20 to 60 °C

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

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

Vibration endurance:
10–25 Hz (X/Y/Z direction, 2G/30 min)

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UV resistance:
Operating in high UV environment is prohibited (e.g. direct sunlight)

Cooling:
Natural convection

Physical

Dimensions (H×W×D):
145×204×33.8 mm (converted from official W×H×D)

Panel cutout (W×H):
192×138 mm

Weight:
~0.56 kg (supplier-reported)

Enclosure:
Engineering plastic, black

Installation:
Panel mount

Lifecycle

Legacy/superseded (successor:
FE6370C, per official notice 2024-01) (Last verified: 2026-09)