# FE6400C

Flexem Automation Co., Ltd. · FE6300 Series

## FEATURES

Flexem 10.1-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:**
10.1" 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:**
400 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):**
260×202 mm

**Dimensions (H×W×D):**
213×273×36 mm

**Weight:**
~0.890 kg (890 g)

## Lifecycle

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