# FE3343C

Flexem Automation Co., Ltd. · FE3300 Series

## FEATURES

4.3-inch 16:9 widescreen resistive-touch HMI in the Flexem FE3300 series, with RS232/485/422 serial port and USB download.

### Hardware

**CPU:**
1 GHz dual-core Cortex-A7

**Memory:**
128 MB Flash + 64 MB DDR2

**Real-time clock:**
Built-in

**Programming software:**
FStudio

### Screen

**Display:**
4.3" 16:9 TFT LCD

**Resolution:**
480×272

**Colors:**
16-bit

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**Brightness:**
360 cd/m² typical

**Viewing angles (T/B/L/R):**
80°/80°/80°/80°

**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× Type-C OTG (USB slave / flash drive, adapter cable required)

**SD card slot:**
Not supported

**Bluetooth:**
Not supported

**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:**
<5 W maximum

**Power protection:**
Lightning surge protection

**Power interruption tolerance:**
<5 ms

**EMC:**
EN61000-6-2:2019, EN61000-6-4:2019, 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)

**UV resistance:**
Operating in high UV environment is prohibited

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## Physical

**Dimensions (H×W×D):**
86×138×32 mm (converted from official W×H×D)

**Panel cutout (W×H):**
132×80 mm

**Weight:**
~0.30 kg (supplier-reported)

**Enclosure:**
Engineering plastic, light gray

**Installation:**
Panel mount

## Lifecycle

**Current Flexem FE3300 series product line; official Flexem product page active as of 2026-09 (Last verified:** 2026-09)