FE7100W

Flexem Automation Co., Ltd. · FE7000 Series

FEATURES

10.1-inch 16:9 resistive-touch HMI panel with 1024×600 resolution, no built-in Ethernet port.

Hardware

CPU:
1 GHz dual-core Cortex-A7

Memory:
128 MB DDR3 + 256 MB Flash

SD card slot:
Not supported

Real-time clock:
Built-in

Bluetooth:
Not supported

Screen

Display:
10.1" 16:9 TFT LCD

Resolution:
1024×600

Colors:
24-bit

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Brightness:
400 cd/m²

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

Touch panel:
4-wire resistive touchscreen

Backlight:
LED

LCD lifetime:
50,000 hours

Communication

Built-in ports:
1×USB Type-C OTG; 1×USB Type-A; no Ethernet; COM1 (RS232/RS485/RS422); COM2 (RS485); COM3 (RS232)

Protocols:
Not published in official datasheet

Communication expansion:
None

Programming software:
FStudio

I/O

Electrical

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

Power consumption:
<10W 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 (NEMA panel), rear IP20

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

UV resistance:
Not for use in high UV environments

Cooling:
Natural convection

Physical

Dimensions (H×W×D):
213×273×36 mm

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Panel cutout (W×H):
260×202 mm

Weight:
~0.89 kg (about 890 g, supplier-reported)

Enclosure:
Engineering plastic, light gray

Installation:
Panel mount

Lifecycle

Current Flexem FE7000 series product line; official product page active as of 2026-09 (Last verified:
2026-09)