FE6100WE

Flexem Automation Co., Ltd. · FE6000 Series

FEATURES

Flexem 10.1-inch resistive-touch IIoT HMI with built-in Ethernet, light-gray engineering-plastic bezel.

Hardware

CPU:
600MHz ARM Cortex-A8

Memory:
128MB Flash + 128MB DDR3

Real-time clock:
Built-in

SD card slot:
MicroSD (TF) card slot

Screen

Display:
10.1" 16:9 TFT LCD

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

Resolution:
1024×600

Colors:
24-bit

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Brightness:
400 cd/m²

Backlight:
LED

LCD lifetime:
50,000 hours

Touch panel:
4-wire industrial resistive touch screen

Communication

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

Ethernet:
1×10/100M adaptive (RJ45)

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

Programming software:
FStudio

Program download:
USB Slave / U-disk / Ethernet

Protocols:
Not published in official datasheet

Communication expansion:
FLink / FLink-2G-A / FLink-4G-A / FLink-WiFi-A IIoT expansion 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:
EN61000-6-2:2005, EN61000-6-4:2007, RoHS; surge immunity ±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

Enclosure:
Engineering plastic, light-gray bezel

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Panel cutout (W×H):
260×202 mm

Dimensions (H×W×D):
213×273×36 mm

Weight:
~0.920 kg (920 g)

Lifecycle

Legacy/superseded:
replaced by FE6400WE per official Flexem upgrade notice (2024-01-31); no individual spec sheet on official download portal (Last verified: 2026-09)