FPad910R001

Flexem Automation Co., Ltd. · FPad Series

FEATURES

10.1-inch 16:9 web-based HMI panel with 1024×600 resolution, Intel Celeron J3455 processor, dual Gigabit Ethernet, and Linux OS.

Hardware

CPU:
Intel Celeron J3455 quad-core 1.50 GHz, up to 2.30 GHz

Memory:
8 GB DDR3L (supports 1333/1600/1866 MHz); eMMC/SSD storage: Not available

OS:
Linux

SD card slot:
Not available

Real-time clock:
Built-in

Programming software:
FStudio Unified

Screen

Display:
10.1" 16:9 TFT LCD

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Resolution:
1024×600

Colors:
24-bit

Brightness:
350 cd/m²

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

Touch panel:
4-wire resistive touchscreen

Backlight:
Not available

LCD lifetime:
50,000 hours

Communication

Built-in ports:
2×RJ45 (10/100/1000 Mbps Gigabit); 4×USB 3.0 Type-A (rear I/O); 1×RS232 (COM1, DB9/M); video output up to 3840×2160@30 Hz

Protocols:
Not published in official datasheet

Communication expansion:
None

I/O

Electrical

Supply voltage:
DC 12V / 5A adapter

Power consumption:
<45W maximum

Power protection:
Isolated power adapter with 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, 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

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Dimensions (H×W×D):
213×273×54.5 mm

Panel cutout (W×H):
260×202 mm

Weight:
~1.45 kg (about 1450 g, supplier-reported)

Enclosure:
Non-ferrous alloy

Installation:
Flush mount

Lifecycle

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