Four-Faith Industrial Computer

F-IPC100

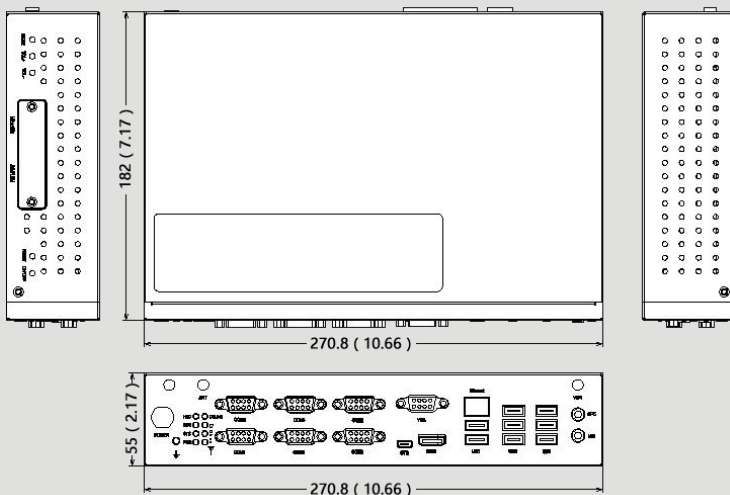## M2M 3G/4G Industrial Computer

Overview

Four-Faith F-IPC100 series Android embedded computer is based on the Freescale Cortex™-A9 i.MX 6 Quad processor, features the most reliable industry design to maximize connectivity, and supports 3G/4G, making it suitable for a diverse range of communication applications. The computer's thermal design ensures reliable system operation in temperatures ranging from -35 to 75°C. F-IPC100 series supports for device status monitoring, alerts and power management. Monitoring system status closely makes it easier to recover from errors and provides the most reliable platform for your applications.

Benefits

• Freescale Cortex™-A9 i.MX 6 Quad processor with 2GB RAM.

• Built-in high speed LTE, HSPA+, and GPS support.

• Full HD 1080P coding engine, enabling superior video experience.

• Android and Linux Dual-OS, with open development resources and abundant applications available.

• Rich of ports: 6 RS-232 serial ports, 8 USB serial ports, HDMI, VGA and so on.

• Optimized hardware base driver enables stable and fast network connection, smooth user experience and excellent performance of peripherals.

Dimensions

Unit: mm (inch)

Packing List

F−IPC100   Cellular Antenna   WIFI Antenna   Power Line

Specifications

Computer	CPU: Freescale Cortex™-A9 i.MX 6 1GHz. DRAM: DDR3 2GB. FLASH: 8GB eMMC (32GB max). OS: Android or Linux.
Storage	• MicroSD, Hard Disk or Solid State Disk socket for storage expansion. • Expand to 2TB max.
Interface	Serial ports: 6 x RS-232 ports (15kV ESD). USB ports: 8 x USB 2.0 & 1 x OTG. Ethernet: 1 x 10/100/1000 Mbps ports (RJ45). Audio: High Definition Audio (HD), Line-in, Line out, Mic-in Video: VGA, HDMI and LVDS (Option).
GPS (Option)	• Antenna Interface: SMA Female, 50 ohms impedance • Tracking Sensitivity: better than -144 dBm • Horizontal position accuracy: 2.5 m • Time-To-First-Fix: 29 s • Protocol: NMEA-0183 V2.3
Dimensions	• Housing & Weight: Metal, 1.6Kg • Dimension: (L x W x H): 270.8 x 182 x 55 mm. • Installation: Wall mounting on desktop.

Cellular Wan	• Supported Frequency Bands -- LTE: B1, B2, B3, B4, B5, B7, B8, B20, B28 -- WCDMA: 2100(B1), 1900(B2), 850(B5) -- EV-DO/CDMA: 800(BC0) -- GSM/GPRS/EDGE: 850/900/1800/1900 • Automatic SIM based network operator switching
Wi-Fi	• IEEE802.11 b/g/n, AP and client mode. • Adjustable output power (Max: 26dBm) • Access point for up to 30 clients • Simultaneous access point/client mode • WEP, WPA-PSK, WPA2-PSK etc. Security
SECURITY	• Remote Authentication • DMZ • Inbound and Outbound Port filtering • Inbound and Outbound Trusted IP • MAC Address Filtering.
OPERATION ENVIRONMENT	• Operating Temperature: -35°C to +75°C / -31°F to +167°F • Storage Temperature: -40°C to 85°C / -40°F to 185°F • Humidity: 90% RH @ 60°C

Model No.	Description
F-IPC100-W	Cellular (WCDMA/HSDPA/HSUPA/HSPA+), WI-FI, GPS (Option).
F- IPC100-FL	Cellular (LTE/WCDMA), WI-FI, GPS(Option)
F- IPC100-L	Cellular (LTE), WI-FI, GPS(Option)