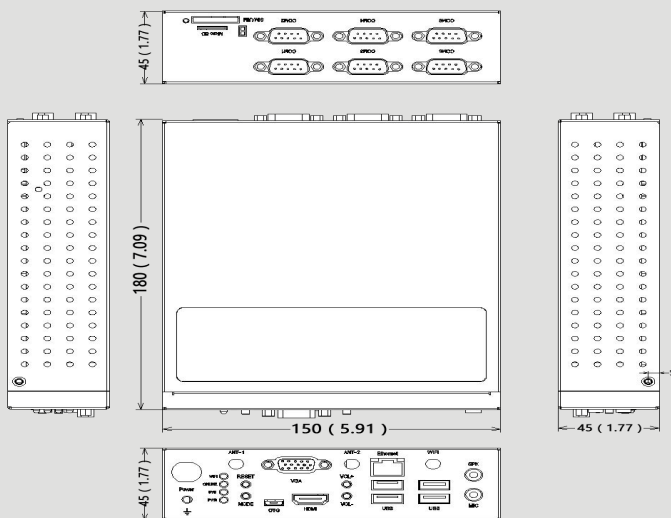# F-IPC110

M2M 3G/4G IndustrialComputer

Overview

Four-Faith F-IPC110 series Android embedded computer is based on the Freescale Cortex™-A9 i.MX 6 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-IPC110 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 processor with 2GB RAM.

•Built-in high speed LTE, HSPA+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 /2 RS485 serial ports, 4 USB 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)

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Packing List

F-IPC110	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, Solid State Disk socket for storage expansion. •Expand to 2TB max.
Interface	Serial ports: 6 x RS-232/2 x RS-485 ports (15kV ESD). USB ports: 4 x USB 2.0 &1 x OTG. Ethernet: 1 x10/100/1000 Mbps ports (RJ45). Audio: High Definition Audio (HD), Line-in, Line out, Mic-in Video: VGA, HDMI and LVDS (Option).
Dimensions	• Housing & Weight: Metal, 0.9Kg • Dimension: (L x W x H): 180 x 150 x 45 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.
OPERATIONENVIRONMENT	• 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

Selection and Ordering Data

Model No.	Description
F-IPC110-W	Cellular (WCDMA/HSDPA/HSUPA/HSPA+), WI-FI
F- IPC110-FL	Cellular (LTE/WCDMA), WI-FI
F- IPC110-L	Cellular (LTE), WI-FI