






Multipurpose Fanless Edge computer

FLOWNEX - EDGE

Features

-  Cost effective fanless design
-  Gigabit Ethernet through rugged M12 connectors
-  Various communication interfaces
-  Wide input power range
-  OS update via OTA platform



Flownex-Edge is a fanless embedded computer for various industrial applications that demands anti-vibration and anti-shock protection. Flownex-Edge is based on Arm® Cortex®-A53 quad core processor, which operates at speed of 1.3GHz. It offers advanced audio, voice, and video functionality with low power consumption.

A Linux based device is ideal for computer vision applications, surveillance applications, on-board-units and many more.

Technology	
CPU	NXP I.MX8MQ:Arm Cortex - A53 quad core processor and Cortex-M4F, 1.3GHz(Upgradable to NXP iMX8M Plus for AI data processing)
System Memory	LPDDR4 4GB,eMMC 16GB (upto 64GB optional)
Ethernet	1 x 10/100 Mbps Ethernet 1 x 10/100/1000 Mbps Ethernet though rugged M12 connectors 1 x 10/100/1000 Mbps Ethernet though rugged M12 connectors(optional)
Network	802.11ax/ac/a/b/g/n WiFi 6.0 and BT 5.x 4G LTE(5G ready) with dual SIM support
Location	GNSS/GLONASS/Beidou with dead reckoning feature (optional)
USB	3 x USB 1 x USB type C
RS232	1 x RS232 1 x RS485
CAN bus	1 x CAN 2.0 FD
Display	1 x HDMI 2.0a
Storage	1 x SD card SSD in built support
Digital IO	7 x Isolated Input Output
Audio	1 x 3.5mm audio jack with microphone
Power	+9 to +36V with reverse polarity and overvoltage protection
LED Indicators	Ethernet port: Link/Activity (Green), Speed (Green) Power/system : Green
OS support	Linux, Android
Enclosure	Aluminium
IP Rating	IP54
Enclosure Dimensions	232.08 x 157 x 85.5 mm including wall mount
Operating Temperature	-20°C~65°C
Mounting type	Wall mount DIN Rail(optional)

**Mechanical**
IP54**Compliance**

EN50155, EN45545, ROHS, CE, REACH