

Industrial Computer Edge

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



The Flownex Edge is a fanless embedded computer designed for various industrial applications that require protection against vibration and shock. Powered by an Arm® Cortex®-A53 quad-core processor running at 1.3GHz, it provides advanced audio, voice, and video capabilities with low power consumption.

This Debian based device is ideal for computer vision applications, surveillance systems, on-board units, and more.

CPU	Arm Cortex-A53 Quad-Core processor and Cortex-M4F@1.3GHz
Memory	LPDDR4 4GB, eMMC 16GB (up to 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	<ul style="list-style-type: none"> • 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 2.0, 1 x USB type C
RS232	1 x RS232, 1 x RS485
CAN Bus	1 x CAN 2.0 FD, 1 x HDMI 2.0a
Storage	SSD in-built support
Digital I/O	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	<ul style="list-style-type: none"> • Ethernet port: Link/Activity (Green), • Speed (Green), Power/System: Green
OS Support	Debian
Enclosure	Aluminium
IP Rating	IP54 Rating
Enclosure Dimensions	232.08 x 157 x 85.5 mm including wall mount
Operating Temperature	-20°C to -65°C
Mounting Option	Wall Mount, DIN Rail (optional)


Mechanical
IP54


Compliance
ROHS, CE, REACH