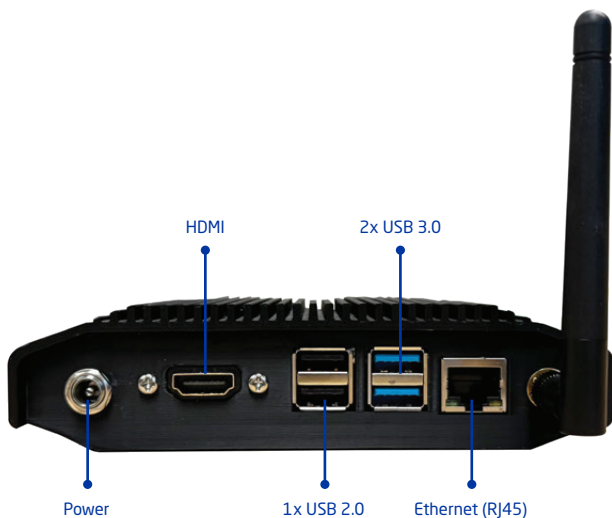


CorGrid IoT Gateway

PRODUCT FEATURES

- ✓ Low Power less than 10 Watts
- ✓ Gateway for Connection to CorSense Sensors
- ✓ Dimensions 1.38"H x 5.63"W x 4.96"D
- ✓ Up to 2 Mile Wireless Range Between Gateway and Sensors
- ✓ Encrypted Communications
- ✓ Automatically Registers Sensor
- ✓ Allows Multiple Gateways to Co-Exist for Redundant Data



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CorGrid IoT Gateway

The CorGrid Gateway is a compact, low-power device designed for seamless integration with CorSense wireless sensors. Consuming less than 10 Watts, it offers efficient operation without compromising performance. With dimensions of 1.38" H x 5.63" W x 4.96" D, the gateway fits easily into space-constrained environments.

It supports encrypted communications and boasts a wireless range of up to 2 miles, ensuring secure and reliable sensor connectivity across large areas. The gateway can connect to 100 sensors and automatically registers sensors upon detection, simplifying deployment and configuration. Additionally, support for multiple co-existing gateways enables redundancy and enhanced data reliability in mission-critical applications.

TECHNICAL SPECIFICATIONS

Category	Specification
Key Features	Ultra Low Power, Small footprint, Plug-and-Play
Form Factor & Environment	Dimensions: 1.38" H x 5.63" W x 4.96" D (85.6 mm x 56.5 mm x 17 mm)
	Operating temperature: -40°C to 85°C
Processor & Graphics	CPU: Quad-core ARM Cortex-A72 (64-bit), 1.5 GHz
	GPU: VideoCore VII
	Video support: H.265 (4Kp60), H.264 (1080p60)
	Video output: HDMI (standard, 1 port)
Memory	RAM: 8 GB LPDDR4-3200 SDRAM
Storage	Primary: microSD card slot for OS and storage
	External storage via USB 3.0
AI Acceleration (optional)	Hailo-8 Neural Network Processor (Optional)
Connectivity	Ethernet: 10/100/1000 Mbps
	Wi-Fi: Dual-band 802.11ac (2.4 GHz and 5.0 GHz)
	Bluetooth: 5.0 BLE
	Zigbee: Integrated XBee Pro S3B Module
	Range: Up to 2 miles (3.2 km)
I/O Interfaces	2 x USB 3.0
	1 x USB 2.0
	40-pin GPIO header
	CSI camera interface (Internal)
	1x 4Kp60 HDMI display output
Power	USB-C (5V/3A recommended)



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