# Datasheet

Miranda MES

The biggest challenge within the plant floor for a majority of manufacturers is visibility into operational technology data from machines, programmable logic controllers (PLCs), and supervisory control and data acquisition (SCADA) systems for performing root cause analysis (RCA) when a line or a machine goes down, improving throughput without compromising quality, and understanding micro-stoppages of machinery in real time.

Miranda MES allows your Corporate to collect production information without the hard requirement of accessing machines, PLCs and other data acquisition system on the plant floor thanks to a simple parallel monitoring strategy (like photo sensors, range sensors, etc.)
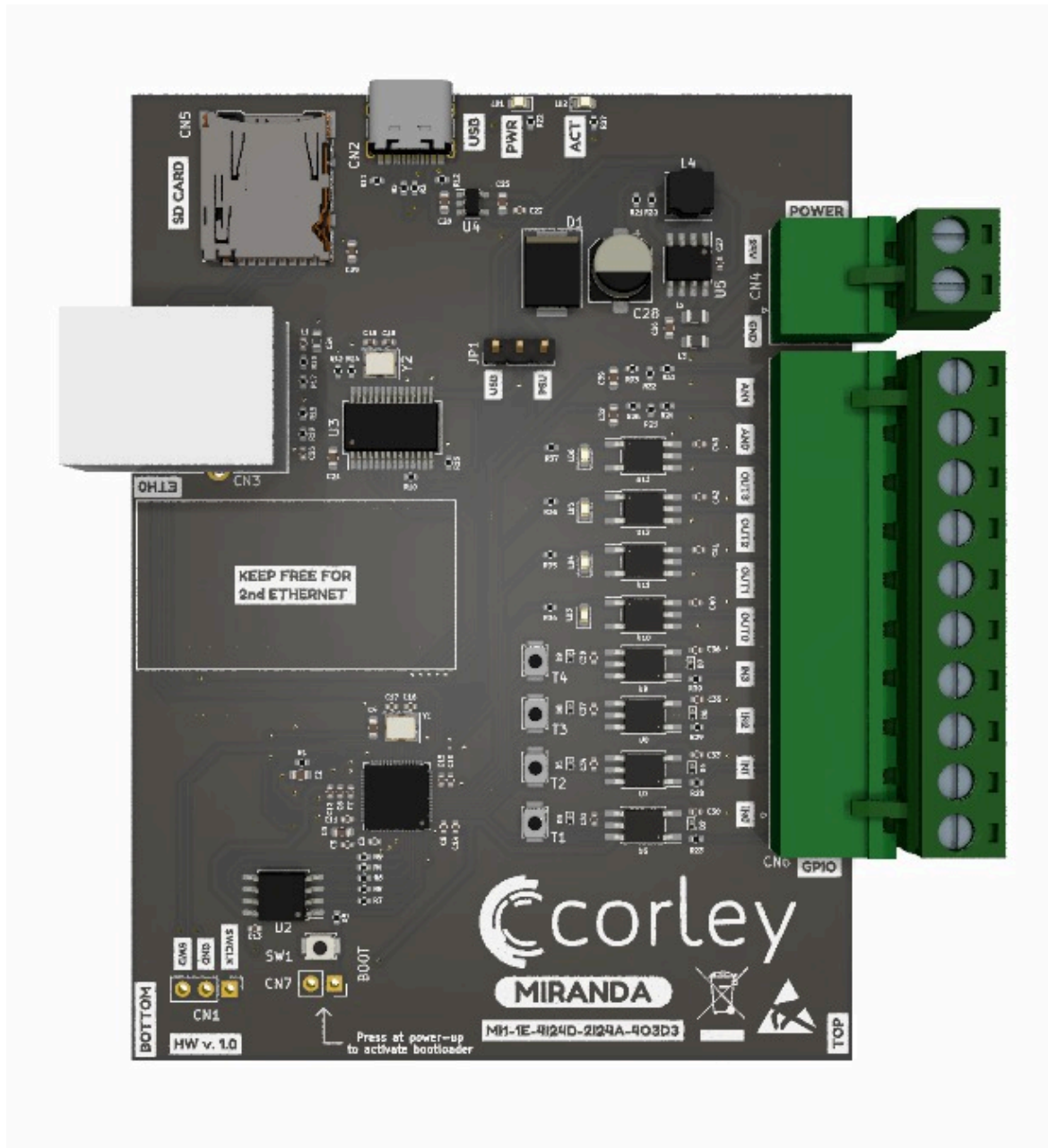
Specifications

Power

Power Supply	24VDC (<1W)
Battery	No

Communications

Ethernet	RJ45 standard connector

Indicators

LED	1 LED programmable (activity)
Power LED	1 LED (power supply)
Ethernet	2 LED (1 activity, 1 link status)

Physical characteristics

Grade	Industrial
Dimensions	96mm (H) x 117mm (L) x 17mm (W)
Weight	200gr
Mouting	DIN Rail (standard)

Environmental

Operational Temperature	-40° to +85° (industrial)
Storage Temperature	-40° to +85° (industrial)

Sensors

Digital Inputs	4 digital inputs 24VDC
Analog Inputs	2 analog inputs 24VDC
Digital Outputs	4 digital outputs 3.3VDC

Configurations

External Storage	Micro SDCard (up to 32GB)
Reporting Sensors	Yes (thing shadowing)