

Technical Data Sheet

Datasheet

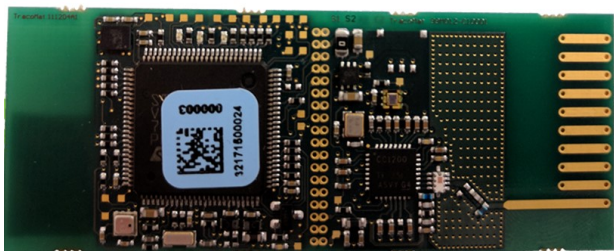


Product Name

Legend

MYNXG SENSE MGR Machine

MOBILE
GATEWAY
REGULAR



This product is designed for real time localization services and shop floor monitoring. It can be mounted to any machine, gripper, electric drill or tool and recognizes the position of the machine or tool within the shop floor through realtime location services. Additional sensors can measure vibration, sound and movement, counts cycles and acceleration to get deeper insights.

General Data

Supply	Rechargeable battery
Connectors	None
Environmental	EN 60529 IP 20 PCBA
Environmental	EN 60529 IP 65 with potting
Temperature	-20C to +60C
Conformity	CE, FCC
Dimensions (ISM + UWB)	Size 66 x 26 x 3 mm (PCBA)
Dimensions (UWB)	Size 33 x 26 x 3 mm (PCBA)

Wireless

Ultra Wide Band (UWB)	Real Time Location Services
RTLS Accuracy	10 cm in 3 dimensions
RTLS Infrastructure	3 x EDGE FCR 3 Gateways
ISM Band	868 MHz (EU) / 915 MHz (US)

Security

Hardware Security	TPM Module BSI certified
Encryption Technology	MYNXG Cyphersuite
Blockchain Technology	MYNXG Blockchain

Edge Computing

Processor	ARM Cortex M4
Operating System	MYNXG Sensor OS
Indoor Location Accuracy	Real Time Location Services +/- 10 cm
Processing	Movement and Detection of Machine Cycles (Retrofit Sensor)
Operation with one battery	1 message per hour / 3 years 1 cycle per minute / 1 month

Sensors Inside

ST Gyro Sensor	Acceleration / Orientation
Bosch Climate	Temperature, Humidity
Distance Sensor	0...50 mm

Product Number

31005X
US and EU Version

Smart. Realtime. Secure.