

SMART SPACE

HYPER-ACCURATE INDOOR POSITIONING & ASSET TRACKING

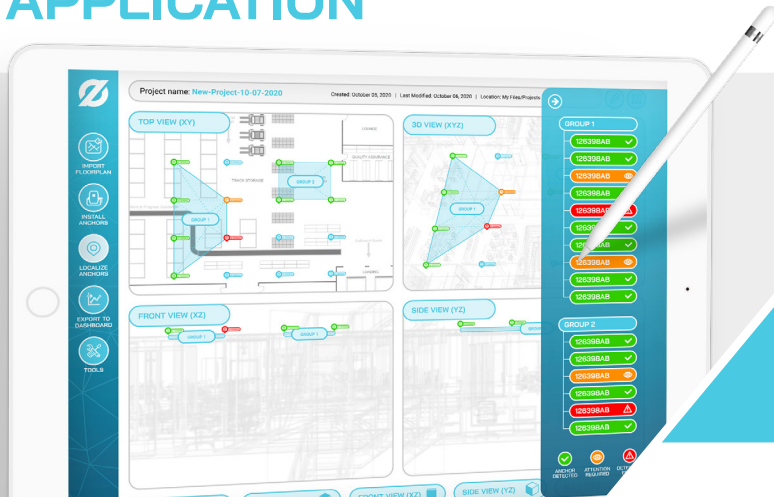
FEATURES

Smart Space is a hyper-accurate 3D positioning technology and IoT infrastructure that digitizes the location of assets, personnel, and equipment across large industrial environments, down to the millimetre. ZeroKey's transformative technology functions at any scale and is capable of tracking thousands of objects simultaneously, in real-time. Self calibration allows infrastructure to be rapidly commissioned after installation.

Main applications include supply chain management, logistics, health & safety, process optimization, factory of the future, augmented reality, virtual reality, and academic research. No other technology offers the combination of wide-area and millimetre-level 3D localization, which uniquely positions ZeroKey to provide effective solutions to problems that have never been solved.



APPLICATION



Companies empowered by Smart Space are quickly and dramatically improving productivity by using digital twin technology to optimize business processes. ZeroKey provides high fidelity timing and location data for all assets in the value chain. Businesses are able to track and assess operational effectiveness in real time and utilize contextual insights to optimize even the most complex workflows.



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POE ANCHOR - ZKSD00XX SPECIFICATIONS

PARAMETER	VALUE
Dimensions	59 x 92 x 31mm (2.3 x 3.6 x 1.2")
Weight	2.3 oz. / 66 g
Charge Port	RJ45
Battery Life	N/A
RF Data Throughput	2 Mbps
Maximum Range	10 m (high accuracy), 40 m (coarse)
Update Rate	1 Hz
Wi-Fi Coexistence	Yes
Bluetooth Coexistence	Yes
Wireless Frequency	2.4 GHz ISM
Maximum TX Power	8 dBm
Operating Temperature	-20 to 60°C (-4 to 140 °F)
Operating Humidity	5 to 95% Noncondensing
Certifications	FCC (US) / IC (Can) / CE (EU)

MOBILE - ZKSD00XX SPECIFICATIONS

PARAMETER	VALUE
Dimensions	72.1 x 47.2 x 19.4 mm (2.84 x 1.86 x 0.76")
Weight	2.19 oz. / 62 g
Charge Port	Micro-USB
Battery Life	24 hours (typical usage)
Alert Modes	Vibration, Audible Alarm
Maximum Range	10 m (high accuracy), 40 m (coarse)
Accuracy (high accuracy zone)	1.5 mm
Accuracy (coarse accuracy zone)	50 cm
Update Rate	1 Hz
Wi-Fi Coexistence	Yes
Bluetooth Coexistence	Yes
Wireless Frequency	2.4 GHz ISM
Maximum TX Power	8 dBm
Operating Temperature	-20 to 60°C (-4 to 140 °F)
Operating Humidity	5 to 95% Noncondensing
Certifications	FCC (US) / IC (Can) / CE (EU)

IS RELAY - ZKSD00XX SPECIFICATIONS

PARAMETER	VALUE
Dimensions	20.5 x 69 x 38 mm (0.8 x 2.7 x 1.5")
Weight	1.4 oz. / 40 g
Input Voltage	5VDC
Power Connector	Micro-USB or PoE
Ethernet	10/100
Power-over-Ethernet	802.3af/802.3at

IS ANCHOR - ZKSD00XX SPECIFICATIONS

PARAMETER	VALUE
Dimensions	60 x 153 x 110 mm (2.4 x 6.0 x 4.3")
Weight	12 oz. / 450g
Charge Port	N/A
Battery Life	1 Year
RF Data Throughput	2 Mbps
Maximum Range	10 m (high accuracy), 40 m (coarse)
Update Rate	1 Hz
Wi-Fi Coexistence	Yes
Bluetooth Coexistence	Yes
Wireless Frequency	2.4 GHz ISM
Maximum TX Power	8 dBm
Operating Temperature	-20 to 60°C (-4 to 140 °F)
Operating Humidity	5 to 95% Noncondensing
Certifications	FCC (US) / IC (Can) / CE (EU) / IS Class 1 Div 1 (US)

IS MOBILE - ZKSD00XX SPECIFICATIONS

PARAMETER	VALUE
Dimensions	72.1 x 47.2 x 19.4 mm (2.84 x 1.86 x 0.76")
Weight	2.19 oz. / 62 g
Charge Port	USB-C
Battery Life	24 hours (typical usage)
Alert Modes	Vibration, Audible Alarm, LED
Maximum Range	10 m (high accuracy), 40 m (coarse)
Accuracy (high accuracy zone)	1.5 mm
Accuracy (coarse accuracy zone)	50 cm
Update Rate	1 Hz
Wi-Fi Coexistence	Yes
Bluetooth Coexistence	Yes
Wireless Frequency	2.4 GHz ISM
Maximum TX Power	8 dBm
Operating Temperature	-20 to 60°C (-4 to 140 °F)
Operating Humidity	5 to 95% Noncondensing
Certifications	FCC (US) / IC (Can) / CE (EU) / IS Class 1 Div 1 (US)

PARAMETER	VALUE
Communication Range	120 m
Wireless Frequency	2.4 GHz ISM
Maximum TX Power	16 dBm
Operating Temperature	-20 to 60°C (-4 to 140 °F)
Operating Humidity	5 to 95% Noncondensing
Certifications	FCC (US) / IC (Can) / CE (EU)



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