

SHYN



Physical Characteristics	
Dimensions	L113.5 x W79.5 x H40 mm L4.47 x W3.12 x H1.57 inch
Weight	approx 300g/10unces with battery
Buttons	Alert push button, Tactile feedback, Usable with thick gloves
Lights	Two configurable, multi-color LEDs
Battery type	Rechargeable 1920 mAh Li-ion battery
Battery life	12-16 hours at full operational capability
Charging mechanism	Wireless inductive
Charging time	2 hours to full charge
Casing	Ruggedized for 1st Responders, Industry 4.0, and Security Easy maintenance
Connection	Options: Klick Fast, Secure Clip

Positioning and Safety	
GNSS	GPS, Galileo, BeiDou, GLONASS Augmentation: SBAS, QZSS, A-GPS
GNSS and beacon-denied positioning autonomy	Highly accurate: 3 % drift on 2D distance traveled
Movement	Walking // Running // Idle Forward // Backward // Sideways
Beacons (optional)	Bluetooth Low Energy - Highly accurate ranging
Safety	Fall detection, Geofencing, Proximity to hazards

User Environment	
Operating Temperature	nominal -10°C/14°F to 60°C/140°F above 85°C /185°F for 1 minute
Drop Specifications	Multiple drops from 2m/6ft Occasional drop from above 2m/6ft
Protection Class	IP67 - Water and Dust resistant

Connectivity	
Radio Band	BLE, Wifi, 3G/4G (with Shyn App)
Bluetooth	Tamper-proof , BT 4.2
Security and Encryption	SSL 256 bit

Situational Awareness	
Personal Tactical display	Own position on map Manual re-positioning Location of team members
Command Display (optional)	2D / 3D views Base maps // Blueprints // 3D Buildings Triggers and Alerting Time View

System	
Configuration and management	Shyn App, Browser App
3 rd party Integration	REST API, Streaming MQTT
Firmware	Secure remote updates and flashing
Device management	Location, Battery, Connectivity, Last Update Status Status Alert configuration