

DATASHEET

WIRELESS E-STOP PRO

FORT PRO SERIES

PRODUCT

WIRELESS E-STOP PRO

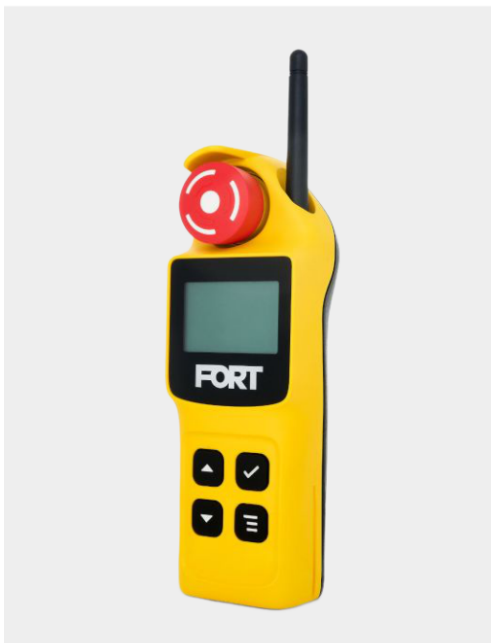
SOURCE DOCUMENT

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Wireless E-Stop Pro Productivity Meets SIL 3-Certified Safety



Give machine operators confidence and peace of mind with the **Wireless E-Stop Pro**. The portable protection device sends certified functional safety commands over a highly reliable Bluetooth connection, backed by FORT's patented technology for trusted communication.

With a rugged enclosure, up to 200m of range, and global compatibility, the Wireless E-Stop Pro sets a new standard for accident prevention and performance on today's machine worksites.

03

Protect Operators & Prevent Accidents

Reduce risk and ensure peace of mind by giving operators the ability to send instant SIL 3-certified wireless safety commands such as stop, crawl, or pause to any machine.



04

Operate Multiple Devices Simultaneously

Maximize uptime with a specialized wireless connection designed for optimal performance even in crowded worksites, allowing you to run multiple systems in one space with fewer drops.



05

Deploy Around the World

Globally-compatible Bluetooth communications and compliance with leading industry standards make it easier than ever to safely operate your machines around the world.



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Wireless E-Stop Pro Features

Instant Wireless Safety Command	Prevent injury and damage by sending a certified emergency stop or other functional safety command without a wired connection.
SIL 3 Certification	Third party certified by Exida to Safety Integrity Level 3 per IEC 61508
Reliable Co-Location in Crowded Worksites	Robust Bluetooth Low Energy (BLE) signal allows for operation of up to 40 sets of FORT devices in close proximity.
Superior Range	FORT's unique BLE implementation delivers up to 200m of range.
Global Compatibility	Operate around the world with an internationally compatible wireless communication method.
Always-On Dual-Channel Monitoring	Constant two-way, low-latency communication with FORT on-machine receiver automatically triggers a safety command if connectivity is lost, eliminating risk of undetected signal drops.
Operator Insight Display	High-resolution LCD provides real-time status information at a glance, including connection, safety state, and remaining battery life.

Convenient, Wearable Form Factor	The small, lightweight handset is easy to carry or clip to a belt for mobile protection.
Intuitive Design	Easy to learn and operate, reducing training time and helping staff get up and running quickly
Rugged Hardware for Harsh Environments	Tamper-proof IP65 enclosure can stand up to rain, dust, and high or low temperatures.
Long-Lasting Battery	Battery lasts for a full shift (12 hours) and the WES Pro continues to operate while in its charging dock.
Built-in Security	Secure protocol prevents unauthorized access during boot, updates, and configuration.
Vibra-Alert Haptic Feedback	Provides an immediate vibrating cue to alert users immediately when a safe state has been triggered.

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Wireless E-Stop Pro Details

Patented wireless technology for maximum reliability



Wireless E-Stop Pro can be carried, worn on a belt, or stationed around your worksite.

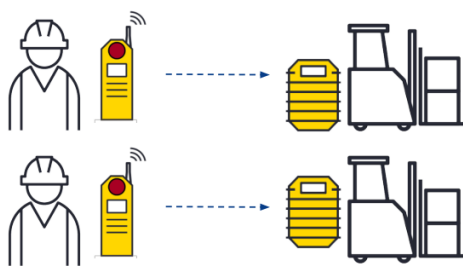


Constant heartbeat signal triggers a safety command if connection is lost.

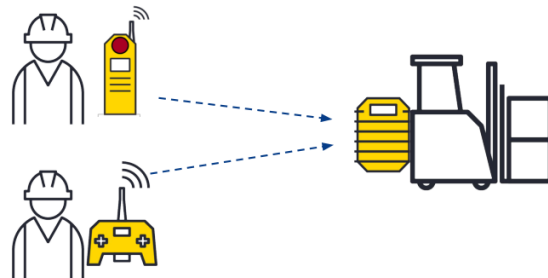


FORT Endpoint Controller mounted on machine receives and executes safety command.

Combine devices for comprehensive protection and control

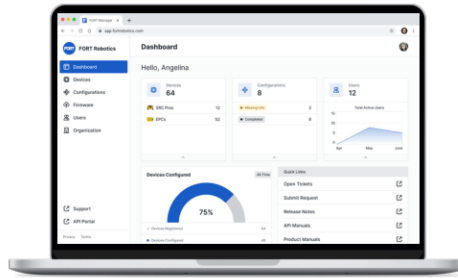


Robust signal allows for co-location in crowded environments. Operate up to 40 pairs of FORT devices in one space without interference.



Use in combination with the FORT Safe Remote Control Pro to add remote operation capabilities.

Easy device management and configuration with FORT Manager

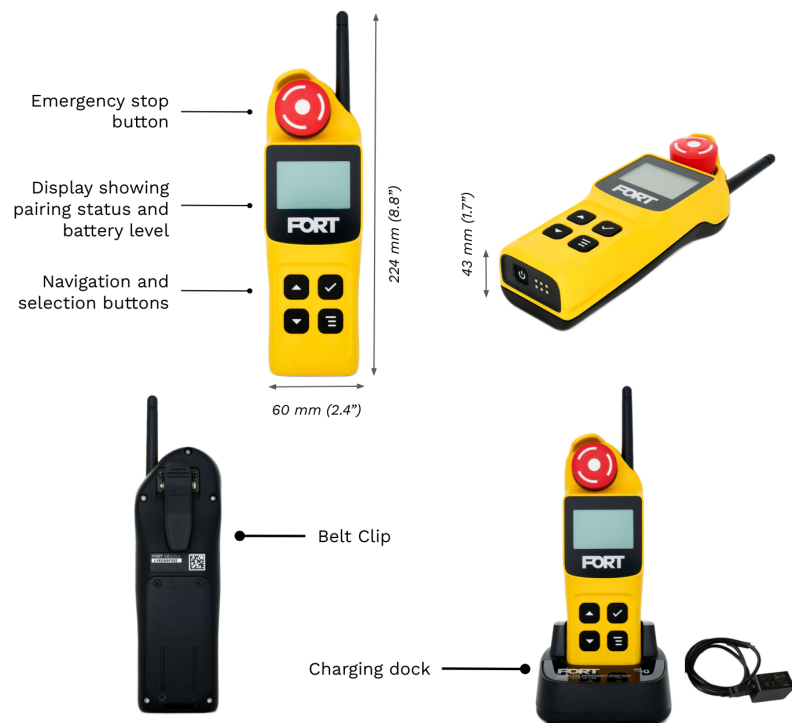


Available via web, desktop app, or API integration, FORT Manager provides a convenient solution to:

- Onboard and manage FORT Pro Series devices
- Build safe, secure device configurations
- Manage organizations, users, and permissions

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Wireless E-Stop Pro Details





Receiver: Endpoint Controller 1003

For technical details and more information on FORT's Endpoint Controller, please visit the [FORT website](#) or [download the datasheet here](#).

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Technical Specifications

Wireless E-Stop Pro 1003

Device Form Factor	Portable wireless command sender
Dimensions	43mm x 60mm x 224mm (1.7" x 2.4" x 8.8")
Weight	Approximately .45kg (1 lb)
Operating Temperature	Operation: -20°C to 60°C (-4°F to 140°F) Charging: 0°C to 45°C (32°F to 113°F)
Battery Type	Lithium-Ion battery, replaceable
Battery Life	12 hours
Charging Connector	USB-C powered charging dock
Charging Voltage	5V up to 1.5A
Inputs	1 dual channel
Input Voltage	110V - 240V
Ingress Protection	Handset: IP65 Charging Dock: IP30
Safety Timeout Period	Selectable: .25 sec; .50 sec; .75 sec; 1 sec; 3 sec; 5 sec
Communication Channel	Long Range Bluetooth
Line-of-Sight Range	200m <i>May vary based on antenna placement and environment</i>
Compatible Devices	Receiver: FORT Endpoint Controller 1003 Can be used in combination with Safe Remote Control Pro 1003

Pairing	Pair 1 Wireless E-Stop Pro with 1 Endpoint Controller receiver <i>Additional pairing options coming soon</i>
Configuration and Pairing Interface	FORT Manager Available via web & desktop app (Windows & Linux)
Security	Cryptographic boot, secure element, verification
Regulatory	FCC & IC compliance; CE Mark; Giteki Mark; Regulatory Compliance Mark
Functional Safety Certification	E-stop functionality Exida certified to SIL 3 per IEC 61508

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Product & Accessory Part Numbers

PRODUCT	PART NUMBER
Wireless E-Stop Pro handset with belt clip	100-0415
Starter Kits: Bundles including all recommended accessories	
WES Pro 1003 Starter Kit (North America & Japan)	800-0011
Charging dock	100-0418
Hard travel case, yellow	100-0428
Cable, USB-A male to USB-C male, 914mm	250-0639
AC/DC Wall mount adapter 5V/10W	270-0018
Antenna, Whip, 2.4GHz, RP-SMA, Male, 75mm	275-0120
WES Pro 1003 Starter Kit (Europe)	800-0019
Charging dock	100-0418
Hard travel case, yellow	100-0428
Cable, USB-A male to USB-C male, 914mm	250-0639
AC/DC Wall mount adapter 5V/10W, Class 2, Europe	270-0021
Antenna, Whip, 2.4GHz, RP-SMA, Male, 75mm	275-0120
WES Pro 1003 Starter Kit (Australia)	800-0019
Charging dock	100-0418
Hard travel case, yellow	100-0428
Cable, USB-A male to USB-C male, 914mm	250-0639
AC/DC Wall mount adapter 5V/10W, Australia	270-0022
Antenna, Whip, 2.4GHz, RP-SMA, Male, 75mm	275-0120

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FORT ROBOTICS CONTROL PLATFORM

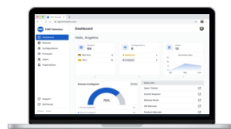
Pro Series



Safe Remote Control Pro



Endpoint Controller



FORT Manager



Nano Safety Controller Pro



Wireless E-Stop Pro

Foundation Series



Safe Remote Control



Vehicle Safety Controller



Wireless E-Stop



Wired Remote Control

Professional Services



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