

FASTRAK™ FM-308

WiFi / Bluetooth / Cellular Search, Survey,
Geolocation and Collection Systems



FASTRAK™ FM-308 ruggedized systems provide simultaneous search survey, and geolocation of WiFi and Bluetooth devices as well as collection of WiFi packets.

All FM-308 models can operate in Monitor Mode (passive) and Active Mode using the included transmit 802.11 a/b/g/n/an/ax radio for user controlled active operations

- All information stored in industry standard PCAP-NG format.
- Designed for low power and high performance.
- Ideal platform for harsh environments and embedded operations.
- Simultaneous Bluetooth search, survey, and geolocation capability.



To learn more, contact Fastrak-sales@tsc.com

www.tsc.com

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FM-308 FEATURES

- 8 independent 802.11 a/b/g/n/an/ax receivers capable of collecting thousands of packets per second sustained load
- Integrated RF distribution unit allows up to 4 antennas to be routed to all 8 receivers
- Internal bias-T boards power custom external bi-directional and low noise amplifiers thereby reducing system set-up complexity while providing maximum system flexibility and operational stand-off ranges exceeding 1 mile on the ground
- Provides a single chassis, integrated WiFi/Bluetooth solution
- All information associated with detected Bluetooth emitters is stored in the same PCAP-NG file as the WiFi emitter information
- Permits multiple techniques for determining, detecting, and locating potential devices of interest

FM-308BT Adds

- Incorporates Bluetooth hardware components and SDR
- Enables a unique combination of passive and active capabilities in a single chassis against WiFi, Bluetooth, cellular handsets and networks

SPECIFICATIONS	FM-308IB	FM-308BT
Size (WxHxD)	5.75" x 3.65" x 9.5"	5.75" x 3.65" x 9.5"
Weight	6.5 (lbs)	6.5 (lbs)
Input Voltage	9-30V DC	9-30V DC
Power ³	25W	25W
Internal Backup Battery	Yes	Yes
WiFi Radios (passive)	8 Tri Band a/b/g /n/ac/ax	8 Tri Band a/b/g /n/ac/ax
WiFi Radio (active)	8 Tri Band a/b/g /n/ac/ax	8 Tri Band a/b/g /n/ac/ax
Bluetooth Radios (passive)	8	8
Bluetooth Radio (active)	1	1
Emitter Search/ Survey/Geolocation (WiFi/Bluetooth)	Yes/Yes	Yes/Yes
Software Defined Radio	no	Yes
Software Defined Radio Protocols	N/A	802.11 a/b/g/n
High Precision Geolocation Techniques	no/no	Yes/Yes
Cellular Network Characterization and Geolocation	no/no	Yes/Yes
Cellular Device IMSI/MAC Correlation	Yes/Yes	Yes/Yes
Dual Band External Low Noise Amps ⁵	4	4
Bi-Directional Power Amps/LNAs (WiFi/Bluetooth)	1/1	2/1
Software-controlled internal power for Bi-directional and low noise amplifiers	• WiFi/Bluetooth Low Noise Amplifiers • WiFi Bi-directional Amplifier • Bluetooth Bi-directional Amplifier	• WiFi/Bluetooth Low Noise Amplifiers • WiFi Bi-directional Amplifier • SDR Tx/Rx • SDR Rx Only • Bluetooth Bi-directional Amplifier
Front Panel Connections	• 1 10/100 Ethernet • 2 USB 2.0 • 4 WiFi/Bluetooth • RX ports • 1 WiFi TX/RX port • 1 Bluetooth TX/RX port • 1 GPS antenna port • 1 Power connector • 1 DVI video port	• 1 10/100 Ethernet • 2 USB 2.0 • 4 WiFi/Bluetooth • RX ports • 1 WiFi TX/RX port • 1 Bluetooth TX/RX port • 1 SDR Tx/Rx port • 1 SDR Rx port • 1 GPS antenna port • 1 Power connector • 1 DVI video port

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