

# FASTRAK™ FM-208

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



**FASTRAK™ FM-208 ruggedized systems provide simultaneous search survey, and geolocation of WiFi and Bluetooth devices as well as collection of WiFi packets.**

All FM-208 models can operate in Monitor Mode (passive) and Active Mode using the included transmit 802.11 a/b/g/n 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](mailto:Fastrak-sales@tsc.com)

[www.tsc.com](http://www.tsc.com)

FASTRAK is a trademark of TSC. Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.

Rev: 202503



## FM-208 FEATURES

- 8 independent 802.11 a/b/g/n 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-208BT 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-208IB	FM-208BT
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 <sup>3</sup>	25W	25W
Internal Backup Battery	Yes	Yes
WiFi Radios (passive)	8 dual band a/b/g/n	8 dual band a/b/g/n
WiFi Radio (active)	1 dual band a/b/g/n	1 dual band a/b/g/n
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
High Precision Geolocation Techniques	no/no	Yes/Yes
Cellular Network Characterization and Geolocation	no/no	Yes/Yes
Cellular Device IMSI/MAC Correlation	no/no	Yes/Yes
Dual Band External Low Noise Amps <sup>5</sup>	4	4
Bi-Directional Power Amps/LNAs (WiFi/Bluetooth)	1/1	2/1
Software-controlled internal power for Bi-directional and low noise amplifiers	<ul style="list-style-type: none"> <li>• WiFi/Bluetooth Low Noise Amplifiers</li> <li>• WiFi Bi-directional Amplifier</li> <li>• Bluetooth Bi-directional Amplifier</li> </ul>	<ul style="list-style-type: none"> <li>• WiFi/Bluetooth Low Noise Amplifiers</li> <li>• WiFi Bi-directional Amplifier</li> <li>• SDR Tx/Rx</li> <li>• SDR Rx Only</li> <li>• Bluetooth Bi-directional Amplifier</li> </ul>
Front Panel Connections	<ul style="list-style-type: none"> <li>• 1 10/100 Ethernet</li> <li>• 2 USB 2.0</li> <li>• 4 WiFi/Bluetooth RX ports</li> <li>• 1 WiFi TX/RX port</li> <li>• 1 Bluetooth TX/RX port</li> <li>• 1 GPS antenna port</li> <li>• 1 Power connector</li> <li>• 1 DVI video port</li> </ul>	<ul style="list-style-type: none"> <li>• 1 10/100 Ethernet</li> <li>• 2 USB 2.0</li> <li>• 4 WiFi/Bluetooth RX ports</li> <li>• 1 WiFi TX/RX port</li> <li>• 1 Bluetooth TX/RX port</li> <li>• 1 SDR Tx/Rx port</li> <li>• 1 SDR Rx port</li> <li>• 1 GPS antenna port</li> <li>• 1 Power connector</li> <li>• 1 DVI video port</li> </ul>

To learn more, contact [Fastrak-sales@tsc.com](mailto:Fastrak-sales@tsc.com)

[www.tsc.com](http://www.tsc.com)

FASTRAK is a trademark of TSC. Equipment described herein is subject to US export regulations and may require a license prior to export. Diversion contrary to US law is prohibited.

Rev: 202503

