



tait AXIOM MOBILE TMX550

WORK SMARTER, EVERYWHERE

Increase worker safety and productivity with coordinated communications over broadband networks, and access to applications and workflows using an intelligent vehicle network and edge computing platform in a compact, easy to install form factor.

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TMX550 BENEFITS



Drivers can update records using a WiFi device and the vehicle's LTE connection.



Dispatchers can request response from the nearest technician using selectable talk groups.



Workers can automatically be alerted to dangerous weather approaching using workflows.

Take Your Business Everywhere

Coordinate your workforce, communicating more efficiently everywhere you go, using easily accessible nationwide cellular networks.

Boost the Range of Your Productivity

Turn your vehicle into a communications hotspot, boosting the range of connected portable devices and productivity for the people using them.

Keep Working Past the Network Edge

Ensure work continues, even outside the range of any communications, by hosting and processing workforce applications and their data locally¹.

WORK SMARTER, EVERYWHERE YOU GO

Enable dispatchers to efficiently coordinate your mobile workforce, free from the constraints of operating within a single communications network, by making WiFi, Ethernet, and public and private cellular instantly available through an intelligent vehicle network.

EXTEND WORK PROCESSES TO THE EDGE

Remove the reliance on remote access to centralized applications by executing work processes locally¹ on a customizable Linux-based edge computing platform. Collected data is stored and can be ready for automatic upload when an approved connection becomes available, after a work order is completed, or at the end of a shift.

AUTOMATE MANUAL ROUTINES USING EXTERNAL INPUTS

Build and execute workflows¹ on the device using external inputs like location, proximity to sensors or data from third party providers to trigger preconfigured actions normally performed manually by the user. Automatically notify dispatchers when a driver completes a delivery, or open a security gate when a technician arrives on site.

SIMPLIFY AND ENSURE SECURE DATA EXCHANGE¹

Reduce the complexity and security risk of managing multiple in-vehicle devices by assigning one powerful appliance the responsibilities of a broadband access point, IP router and communications manager. Traffic exchanged between applications and devices can be assigned the most efficient and secure connection.

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TMX550 FEATURES



Handheld Control Head with built-in speaker puts all functions in the palm of your hand and allows easy installation anywhere in the vehicle.



12 pin, serial RS232 and internal GNSS receiver connections are standard inclusions.

ULTIMATE CONNECTIVITY

Designed to ensure information gets through using dual SIM LTE, WiFi or Ethernet, with optional connection to radio systems and users.

NATIONWIDE COVERAGE

Use nationwide coverage from up to two cellular network providers, saving time and money without needing to buy and manage spectrum licensing or radio infrastructure.

WIRELESS PROGRAMMING AND DEVICE MANAGEMENT

Update your fleet over cellular or WiFi networks, delivering new features, configurations, and applications.

EXTENSIVE M2M INTERFACE

Easily interface audio, sensors and other equipment with the standard 12 pin and serial RS232 connectors. Future releases will provide additional interface options including 10 pin connector, and 4 port RJ45 ethernet router.

AUTOMATE MANUAL ROUTINES USING LOCATION DATA

Program the mobile device to independently and automatically use its location data to trigger pre-configured actions¹, such as alerting the driver when entering a hazardous area or opening a security gate upon approach.

CONTROL HEAD EXTENSION

Extend the distance of the control head from the mobile body using a Power over Ethernet connection.



MULTI-BEARER ANTENNA KIT

Boost the signal strength of cellular and WiFi devices connected to the vehicle area network.



RUGGED EXTERNAL SPEAKER

Turn the volume up to 15W for loud and clear audio inside or outside the vehicle.



TMX550 TECHNICAL SPECIFICATIONS

GENERAL INFORMATION		CONNECTIVITY	
Supported Devices	TM9300, TM9400 Hand Held Control Head (HHCH) or remote Large Control Head (LCH) configurations	WLAN (WiFi)	2.4 GHz IEEE802.11b/g/n/SISO20 MHz 5GHz IEEE802.11a/n/SISO20/40 MHz Access point/station/direct (simultaneous or independent use), supports up to 5 clients
Dimensions		LAN (Ethernet)	mDNS, DNS Proxy, DHCP Server, DHCP Client, 10/100Mbps
Body – in (mm)	Height 1.97 (50), Width 6.3 (160), Depth 4.72 (120)	LTE	
Control Head – in (mm)	Height: 5.32 (135), Width: 2.56 (65), Depth: 1.38 (35)	Antenna characteristics	Rx Diversity MiMo DL 2x2 +23dBm at antenna connector
Weight – oz (g)		North America & Canada ²	NF (Cat4) FCC ID CASTUFM4B, contains R17LE910CXNF
Body	38.8 (1100)	FirstNet Ready™ ²	FCC ID CASTUFM4B, contains R17LE910CXNF
Control Head	10.59 (300)	TU2000-M5	4G/LTE Bands: B2, B4, B5, B12, B13, B14, B66, B71 3G Bands: B2, B5
Display	All White OLED display, 180° viewing angle, auto dimming backlight	Type Code TUFM5E	
Speaker	Integrated 3W speaker. External 10W or 15W speaker options.	Europe/UK ²	EU (Cat4) ETSI, CE, E-mark ² E10 10R-05 10892
Controls	Full keypad, 6 function keys, menu navigation and volume control	TU2000-M2	4G/LTE Bands: B1, B3, B7, B8, B20, 3G Bands: B1, B8 2G Bands: B3, B8
Input/Output (IO)	USB, Powered Serial, GPS Ant(Pwr), 6 x GPIO inc. EPTT, Emergency, Ignition sense, WiFi Ant, 2 x LTE Ant, eMic, Speaker output, Ethernet, Power over Ethernet (PoE), 2 x microSIM (internal)	Type Code TUFM2D	
Supply	9 to 36V. Nominally 12 or 24V battery	Asia Pacific, Brazil ²	AP (Cat1) ETSI, RCM, Anatel ID 06461-19-01749
Industry Certifications	Safety (IECEE Certification Bodies Scheme, UL 60950) Vehicle Usage (E-mark ² , ISO7637-2) Environmental (RoHS, WEEE)	TU2000-M6	4G/LTE: B1, B3, B5, B8, B28 3G Bands: B1, B5, B8
Hardware Processor	AM3352 Sitara, ARM Cortex-A8 32 bit 600MHz	Type Code TUFM6C	
Memory	RAM 512MB DDR3 1GB SLC NAND Flash plus Embedded 16GB Flash Card Storage	IP routing	WiFi-to-Cellular, Ethernet-to-Cellular, Ethernet-to-WiFi
Operating System	Linux (Open Embedded LTS)	SIM Card	Dual nano-SIM
		GNSS (GPS/GLONASS)	Optional External Antenna

¹ Future release

² Compliance pending

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