Data Sheet

TLK 200i

Rugged push-to-talk.
Automated safety.
Boundary-free communication.



MOTOROLA SOLUTIONS

Let’s TLK

Protect and connect your workforce with the TLK 200i, a rugged broadband push-to-talk device for WAVE PTX users that automates frontline safety and extends communication across your entire operation. Engineered for demanding, multi-shift environments, it combines next-generation processing and intelligent audio features to maximise daily productivity. Take worker safety further with the SafeGuard package, which unlocks critical safety features like Emergency Calling and Alerting, Fall Alert and Lone Worker.

Intelligent communication

Driven by upgraded processing power and expanded connectivity, the TLK 200i delivers voice messaging, call fallback and background noise suppression to help ensure crystal-clear, uninterrupted communication in demanding operational environments.

Rugged durability meets multi-shift efficiency

The TLK 200i combines a resilient, shareable physical design with all-day operational uptime to maximise daily productivity and maintain continuous worker focus across demanding, back-to-back rotations.

Safety that triggers itself

Enhance worker safety with features that are designed to help protect isolated and vulnerable personnel during emergencies without requiring manual intervention.

Enhanced situational awareness with location data

Maintain complete visibility across your operational footprint with intelligent location-based features that seamlessly sync personnel the moment they cross boundaries or navigate complex multi-story structures.





Device specifications

GENERAL SPECIFICATIONS	
Network	3G: B1, B2, B4, B5, B8 4G - FDD: B1, B2, B3, B4,B5,B7,B8,B20,B25,B26,B28,B66 4G-TDD: B38,B40,B41
Channel Capacity	96 Channels
Contact List	1000 Contacts
Dimensions (H x W x D) - Without Antenna	139 x 55 x 24mm
Dimensions (H x W x D) - With Antenna	176.4 x 55 x 24mm
Weight with battery	192.6 g (6.79 oz)
Battery Capacity	2500 mAh (PMNN4578)
Battery Operating Hours (5:5:90)[1]	18 hours
Battery Chemistry	Li-Ion
IP Rating	IP67
Charging port	USB Type-C
Audio Jack	2.5mm with mechanical lock
Housing	Antimicrobial
Display	2.5-line monochrome
Sensor	Accelerometer
SIM card slot (SIM-free model only)	1x 4FF Nano SIM
Apps	Powered by WAVE PTX
Encryption	AES-256

AUDIO SPECIFICATIONS	
Digital Vocoder Type	AMR-WB, OPUS
Audio Output Power	1 W / 3 W
Audio Distortion at Rated Audio	<3%
Maximum Speech Loudness by Default	101 Phon

WIFI SPECIFICATIONS	
Frequency Range	2.4 GHz, 5.0 GHz
Standards Supported	802.11 a / b / g / n / ac
Security Protocol Supported	WPA2/WPA3 (Personal and Enterprise)
Maximum Number of SSIDs	5

BLUETOOTH + GNSS SPECIFICATIONS	
Version	5.0 LE
Range	10m
Supported Profiles	BLE, SPP, HSP
Simultaneous Audio Connection	1 per profile
Constellation Support	GPS, GLONASS, Galileo, BeiDou, A-GNSS
Time to First Fix, Cold Start	60s
Time to First Fix, Hot Start	10s
Horizontal Accuracy	5m

ENVIRONMENTAL SPECIFICATIONS	
Operating Temperature	-20°C to 60°C (radio) -10°C to 60°C (with battery)
Storage Temperature	-40°C to 85°C
Thermal Shock	Per MIL-STD
Humidity	Per MIL-STD
Electrostatic Discharge	Per MIL-STD
Dust and Water Intrusion	IP67
Packaging Test	Per MIL-STD

[1] Battery life may vary depending on use and conditions.



Device specifications

MILITARY STANDARDS (MIL-STD-810)												
	MIL-STD810C		MIL-STD810D		MIL-STD 810E		MIL-STD 810F		MIL-STD 810G		MIL-STD 810H	
	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure	Method	Procedure
Low Pressure	500.1	I	500.2	II	500.3	II	500.4	II	500.6	II	500.6	II
High Temperature	501.1	I, II	501.2	I/A1, II/A1	501.3	I/A1, II/A1	501.4	I/Hot, II/Hot	501.6	I/A1, II/A1	501.7	I/A1, II/A1
Low Temperature	502.1	I	502.2	I, II	502.3	I, II	502.4	I, II	502.6	I, II	502.7	I, II
Temperature Shock	503.1	I	503.2	A1/C3	503.3	A1/C3	503.4	I	503.6	I-C	503.7	I-C
Solar Radiation	505.1	II	505.2	I/A1	505.3	I/A1	505.4	I/A1	505.6	I/A1	505.7	I/A1
Rain	506.1	I, II	506.2	I, II	506.3	I, II	506.4	I, III	506.6	I, III	506.6	I, III
Humidity	507.1	II	507.2	II	507.3	II	507.4	-	507.6	II/Aggravated	507.6	II/Aggravated
Salt Fog	509.1	I	509.2	I	509.3	I	509.4	-	509.6	-	509.7	-
Blowing Dust & Sand	510.1	I/-	510.2	I, II	510.3	I, II	510.4	I, II	510.6	I, II	510.7	I, II
Vibration	514.2	VIII/CatF, XI	514.3	I/Cat10, II/ Cat3	514.4	I/Cat10, III/ Cat3	514.5	I/Cat24, II/ Cat5	514.7	I/Cat24, II/ Cat5	514.8	I/Cat24, II/ Cat5
Shock	516.2	I, II	516.3	I, IV	516.4	I, IV	516.5	I, IV	516.7	I, IV	516.8	I, IV
Contamination by Fluids	-	-	-	-	-	-	-	-	504.2	II	504.3	2.2.6b

TLK 200i accessories

Equip your workforce for success with accessories designed to elevate the TLK 200i experience.

Whether you need to ensure secure, hands-free mobility with rugged carrying solutions or enable hands-free operations with premium audio gear, the TLK 200i accessory portfolio delivers the flexibility and reliability your business demands to stay connected.



Audio

PMLN7159
Adjustable D-style earpiece with in-line microphone and push-to-talk



PMLN8298
WP300 wireless bluetooth control pod with PTT button[2]



PMLN8740
EP910E Bluetooth earpiece with PTT



Energy

PMLN8570
6-pocket multi-unit charger (Euro plug)

PMLN8576
6-pocket multi-unit charger (UK plug)



PMNN4578
Lithium Ion 2500 mAh battery



Antenna



32012144001	Grey antenna ID, pack of 10 units
32012144002	Yellow antenna ID, pack of 10 units
32012144003	Green antenna ID, pack of 10 units
32012144004	Blue antenna ID, pack of 10 units
32012144005	Purple antenna ID, pack of 10 units

Carry

PMLN7128
Heavy duty swivel belt clip



PMLN8795
Swivel carry holster



[2] WP300 requires compatible earpiece: PMLN8190, PMLN8077 or PMLN8125

Additional compatible accessories for TLK 200i

WIRED AUDIO ACCESSORIES	
PMLN7156	Earbud with In-Line Microphone and Push-To-Talk, Black
PMLN7189	Swivel Earpiece with In-Line Microphone and Push-To-Talk
PMLN7157	2-Wire Surveillance Kit, Black
PMLN7158	1-Wire Surveillance Kit, Black
PMLN8191	1-Wire Clear Tube Earpiece, 2.5mm Angled Single Pin
PMMN4125	RM250 Wired Remote Speaker Microphone, Large (IP67)

WIRELESS AND SECONDARY AUDIO ACCESSORIES	
PMMN4127	WM500 Wireless Remote Speaker Microphone
PMLN8332	Vehicle Mount for WP300
PMLN8401	WP300 Wireless Bluetooth Push-to-Talk Pod with Translucent Tube Earpiece
PMLN7560	Receive-Only Earpiece with Translucent Tube and Rubber Eartip for RM250 and WM500 RSMs
PMLN8077	Single Pin Over-the-Ear Earpiece for WP300 Bluetooth Control Pod
PMLN8125	Single Pin Short Cord Earpiece for WP300 Bluetooth Control Pod
PMLN8190	1-Wire Clear Tube Earpiece, 2.5mm Straight Single Pin for WP300 Bluetooth Control Pod
RLN6242	Low Noise Kit with Translucent Tube and 1 Clear Rubber Eartip
5080384F72	Replacement Foam Plugs for RLN6242. Noise Reduction = 24 dB. Pack of 50 Pairs
RLN6282	Replacement Standard Clear Rubber Eartip for RLN6242, Pack of 50
RLN6242	Low Noise Kit with Translucent Tube and 1 Clear Rubber Eartip

POWER ACCESSORIES	
PS000150A32	USB-A Wall Charger, 5V/1.5A, 240VAC (Euro Plug)[3]
PS000150A33	USB-A Wall Charger, 5V/1.5A, 240VAC (UK plug)[3]
PMKN4294	USB-C to USB-A Cable
PMLN8784	TLK 200i Battery Door

[3] USB cable for wall adapters sold separately

CARRY ACCESSORIES	
PMLN8795	TLK 200i Swivel Carry Holster
PMLN6074	Nylon Wrist Strap for Securely Carrying Motorola Two-Way Radios

ANTENNAS	
AN000508A01	TLK 200i LTE Antenna

MISCELLANEOUS KITS	
PMLN8783	TLK 200i NFC Kit

To learn more, visit:
www.motorolasolutions.com/tlk200i

MOTOROLA SOLUTIONS

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