XT185
TWO-WAY RADIO

COST-EFFECTIVE RADIO COMMUNICATION

Across the warehouse, shop floor or school playground, the Motorola Solutions XT185 enables instant and clear communications at the touch of a button. Developed for business and commercial users, the XT185 is a general-purpose two-way radio, ideal for users needing to stay in touch with staff, colleagues or team members quickly, easily and economically. With long battery life, compact size, lightweight, and easy pairing, the XT185 is the perfect radio for the cost-conscious user.

XT185 GENERAL FEATURES

- Range up to 8 km[1]
- 16 Channels with channel monitor/scan[2]
- 121 Privacy Codes
- Auto Keypad Lock
- Auto Squelch
- Up to 24 Hours Battery Life
- 500 mW Power Transmission
- Easy Pairing Functionality
- Scan/Monitor
- Hands-free
- Waterproof and Dust-tight: IP54 rating
- Compatible with Single Pin Accessories
- Lightweight and Compact

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XT185 PACKAGE CONTENTS

- Two radios
- Two charger pods
- Two rechargeable Li-Ion batteries
- Two belt clips
- Two short lanyards
- Two earbuds
- One mains adapter

GENERAL SPECIFICATIONS

Frequency Band	PMR446[2] 446.0-446.2 MHz
Range	8 km[1]
Channel Capacity	16[2]
Repeater Capability	No
Channel Bandwidth	12.5 kHz
PL Codes (Privacy Codes)	38
DPL Codes (Privacy Codes)	83
Battery Life w/Standard Li-Ion Battery	24 hours[3]
Radio Dimensions (H x W x D):	136 x 47 x 21 mm
Weight: Radio w/Standard Li-Ion Battery	100g

TRANSMITTER

RF Output	0.5 Watts
Frequency Stability	< 2.5 ppm
Spurs and Harmonics (<1 GHz)	<-42 dBm
Spurs and Harmonics (1 GHz)>	<-36 dBm
FM Hum & Noise	<-35 dB
Modulation Limiting	±2.5 kHz
Adjacent Channel Power	<-60 dB
Radiated Spurious Emissions (<1 GHz)	<-36 dBm
Radiated Spurious Emissions (>1 GHz)	<-30 dBm
Audio Frequency Response (0.3 - 3.0 kHz)	±1.5 kHz
Audio Distortion	<2 %

RECEIVER

Sensitivity (12 dB SINAD)	<-119 dBm
Adjacent Channel Selectivity	>60 dB
Intermodulation Rejection	>56 dB
Spurious Response Rejection (Blocking 1Mhz)	>70 dB
Audio Distortion	3%
CSQ Hum & Noise @ 12.5kHz	<-45 dB
PL Hum & Noise @ 12.5kHz	<-45 dB
Radiated Spurious Emissions (<1 GHz)	<-63 dBm
Radiated Spurious Emissions (>1 GHz)	<-53 dBm
Audio Output @ 5% Distortion	500 mW @ 16 ohms

ENVIRONMENTAL SPECS

Operating Temperature	-20°C to +55°C
Shock & Vibration	Meeting TIA/EIA-603
Humidity	Meeting TIA/EIA-603
Dust & Water Intrusion	IP54

PART NUMBERS

Sales Part No.	Description	EAN Number
D3P01610BDLMAW	XT185 Twin Pack & Charger UK	5031753009816
D3P01611BDLMAW	XT185 Twin Pack & Charger WEurope	5031753009823

[1]Range achieved will depend on terrain and local conditions.
[2]Restricted to 8 channels in Russia by law. Please refer to user guide.
[3]Average battery life at 5/5/90 duty cycle. Actual battery runtime observed may vary.

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