

In-Vehicle

Q777 Mobile Data Terminal





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7" Portable In-Vehicle Driver Terminal

Q777 is the latest Waysion's offering which is specially designed by keeping in view the latest market trends. It is an all-in-one rugged detachable, portable, and high-performance vehicle-mounted Mobile Data Terminal that provides an outstanding user experience. Q777 is the 7-inch special, smart and intelligent mobile data terminal with a bright and daylight viewable TFT-LCD, LED backlight. Moreover, it is equipped with Android 11 OS, lithium-polymer based high-capacity battery and Quad-Core A55 ARM processor which results in high-performance prolonged battery backup and low power consumption. In addition to this, various features such as different wireless communication modules, make it as the best choice. Taking all these factors into consideration, it can be a perfect companion for a mobile workforce in transportation and logistics.

Compact Design, Easy for Portable Use

The compact design of Q777 makes it aesthetically attractive and easy for portable use. The portability of a device will help your workers to work smarter. 4GB LPDDR4 RAM, 32GB eMMC ROM, RK3568 processor, Integrated Graphic Card, Extendable Storage, Docking Station, USB Type-C, RS232, RS422, AHD camera input. These are the front-end specifications that make Q777 the best MDT choice.

Rugged, Resistance and Capabilities

The major problem with most of the mobile data terminals throughout the world is that, these devices are not capable of passing ruggedness and resisting against the harsh environments. Q777 is an IP65 grade Android-based MDT that is specially designed with the capabilities to tolerate harsh scenarios such as subzero-temperature, snow, dust, passing ruggedness and other rough situations. Q777 has already proved itself for many companies as the most efficient, rugged and best in-vehicle portable choice!

Built for all-day every-day business

High Capacity Battery and Low Power Consumption

Q777 is equipped with a high capacity (3.7V 5000mAh) battery based on Lithium-Polymer which can provide up to 3 hours long battery backup. Moreover, the fast ultra-low-power processor combines with plenty of memory, allowing workers to run multiple apps simultaneously. And the processor minimizes power consumption, extending useful battery life.

All-In-One Approach Makes Q777 a Perfect Choice

Q777 comprehensively covers all the modern features in one device. It is equipped with the latest Android 11 operating system, a highly optimized Rockchip Quad-core processor and an advanced touch screen technology that gives an outstanding user experience to the end-user. With its highly responsive touch input capabilities, this powerful rugged tablet gives all of your workers the flexibility to quickly and comfortably complete any task at their hands. Thus, it makes the perfect companion for your logistics mobile workforce.

CE/E-mark/FCC/TELEC Compliant

Q777 meets the standards of various well-known regulatory bodies thus making the product internationally recognized.

Reliable Network Module for Many Industrial Applications

Cellular signaling schemes and digital data transmission modules are very important for the portable devices. Different industrial applications under different conditions like an indoor, desert, cave and much more, need a reliable network module to keep the device connected with and let you make full use of MDT. After a long research and technical assessments by our highly professional tech experts, we have chosen Quectel 4G (LTE, UMTS, CDMA2000, TD-SCDMA, and GSM) network module for our Q777.



Reliable consult service, necessary technical support together with 12-month standard warranty are guaranteed with Waysion's experienced technical team

For more information, visit www.waysion.com

Specification

Core	
Processor	RK3568 64-bit Quad-Core A55, up to 2GHz
GPU	Mali-G52 800MHz
NPU	Up to 1TOPS
RAM	4GB LPDDR4
ROM	32GB eMMC
OS	Android 14
Display	
LCD panel	7-inch IPS, LED backlight
Resolutions	1280 × 800
Brightness	350 cd/m ² (typical)
Contrast Ratio	800:1
View Angle (°)	85/85(L/R), 85/85(U/D)
Touch panel	Capacitive 5-point multi-touch screen P-CAP touch technology
Wireless	
WiFi	IEEE 802.11 a/b/g/n/ac 2.4GHz & 5GHz
Bluetooth	Support Bluetooth 5.0 BLE
Cellular	4G
Positioning	Support GPS/GLONASS/BEIDOU External GPS receiver/antenna(option)
Optional Function	
Camera	2.0MP CMOS (front)
	5.0MP Camera
NFC	Read/Write Mode: ISO/IEC 14443 A&B up to 848kbit/s, FeliCa at 212 & 424 kbit/s, MIFARE 1K, 4K, NFC Forum type 1, 2, 3, 4, 5 tags, ISO/IEC 15693 Card Emulation Mode (from host): NFC Forum T4T (ISO/IEC 14443 A&B) at 106 kbit/s, NFC Forum T3T (FeliCa, PN7150 only)
RTC	Built-in
MIC	Internal microphone
Light sensor	Built-in
Compass	Built-in
Gyroscope	Built-in
Speaker	speaker 1.5W
Multimedia	
Video	Decode: 4K@60fps H.264&H.265&VP9 Profile0/2 video decode, 1080P multi video decode. Encode: 1080P video encoding for H.264 and H.265
Audio	MP3, WMA, OGG, APE, FLAC, AAC etc.

User Interface	
Onboard I/O ports	1 x TF card slot(up to 128GB)
	1 x SIM card slot
	1 x USB Type-C
	1 x Combo Audio Jack (audio+mic)
	1 x POGO PIN (20 PIN)
Extended I/O ports (on pigtail cable)	1 x ACC Input
	1 x Reverse Gear Trigger
	1 x RS232
	1 x RS422 (RS485 optional)
	1 x AHD Camera In
Function Key	1 x DC in (9~36V)
	Power, Menu, Home, Return
Power light	Red(charging), Green(full)
Power Supply	
DC In	12V DC (9~36V)
Battery	3.7V 5000mAh, Lithium-Polymer battery pack (run-time up to 3 hours)
Power Consumption	
Normal mode	≤9W
Charging mode	≤12.5W
Environment	
Operating Temp	-20°C~70°C
Storage Temp	-30°C~80°C
IP Rating	IP65
Compliance	ISO7637-2, ISO10605, ISO16750-2, GB/T19056
Mechanical	
Dimensions	198(L) x 130(W) x 20(H) mm
Weight	465g
Mount	VESA, RAM, Double-T compliant
Accessories	
Standard	AC/DC adaptor or car power adaptor(optional) Docking station with cables
Optional	External GPS receiver/antenna

Interface



Accessories

