



SAINTWAY

In-Vehicle

Q77

Mobile Data Terminal



www.saintwaytech.com



Q77 Mobile Data Terminal

7" Portable In-Vehicle Driver Terminal

Q77 is the latest Saintway'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. Q77 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 9 OS, Lithium-polymer based high-capacity battery and Octa-core 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 Q77 makes it aesthetically attractive and easy for portable use. The portability of a device will help your workers to work smarter. 3GB LPDDR3 RAM (2GB optional), 32GB eMMC ROM (16GB optional), Octa core ARM Cortex-A53 processor, Integrated Adreno Graphic Card, Extendable Storage, Docking Station, USB Type-C, RS232, RS422. These are the front-end specifications that make Q77 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. Q77 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. Q77 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

Q77 is equipped with a high capacity (3.7V 5000mAh) battery based on Lithium-Polymer which can provide up to 6 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 Q77 a Perfect Choice

Q77 comprehensively covers all the modern features in one device. It is equipped with the latest Android 9.0 operating system, a highly optimized Qualcomm Octa-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

Q77 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 Q77.



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

For more information, visit www.saintwaytech.com

Specification

Core	
Processor	Qualcomm Octa-core ARM Cortex-A53 1.8GHz
Graphic	Integrated Adreno 506 GPU, up to 600MHz
RAM	3GB LPDDR3 (2GB optional)
ROM	32GB eMMC (16GB optional)
OS	Android 9.0

Display	
LCD panel	7-inch IPS TFT-LCD, LED backlight
Resolutions	1280 × 800
Brightness	350 cd/m ² (typical)
Contrast Ratio	800:1
View Angle (°)	89/89(L/R), 89/89(U/D)
Touch panel	G+G multi-touch capacitive touch panel

Wireless	
WiFi	IEEE 802.11 a/b/g/n/ac 2.4GHz & 5GHz
Bluetooth	Ver 4.2
Cellular	4G (LTE, UMTS, CDMA2000, TD-SCDMA, GSM)
Positioning	Integrated GPS+GLONASS+BEIDOU

Optional Function	
Camera	2.0MP CMOS (front) 5.0MP CMOS (back)
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)
G-sensor	Built-in
Light sensor	Built-in
Compass	Built-in
Gyroscope	Built-in
Speaker	Built-in stereo speaker(2W, 4Ω)

Multimedia	
Video	Encode: 1080p @60fps.(HEVC/H.264) 1080p @30fps.(mpEG-4/VP8) Decode: 1080p @30fps.(DIVX4/5/6.mpEG-2)
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 RS422 (RS485 optional)
	1 x RS232 (OBDII optional)
	Support OBD II & SAE-J1939 (share the same interface with RS232, OBDII serial port will be occupied) via external analytical box
	4 x GPIO (input*2, output*2)
	1 x DC in (9~36V)
	1 x ACC Input
Function Key	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 6 hours)

Power Consumption	
Normal mode	≤6W
Charging mode	≤10W

Environment	
Operating Temp	-20°C~70°C (w/o battery)
	-10°C~50°C (w/ battery)
Storage Temp	-20°C~80°C
IP Rating	IP65

Mechanical	
Dimensions	200(W)x130(H)x20(D) mm
Weight	0.47kg (tablet only)
Mount	VESA, RAM, Double-T compliant
Certification	CE/E-mark

Accessories	
Standard	AC/DC adaptor or car power adaptor(optional)
Optional	Docking, extended cable, J1939 cable, OBD-II cable

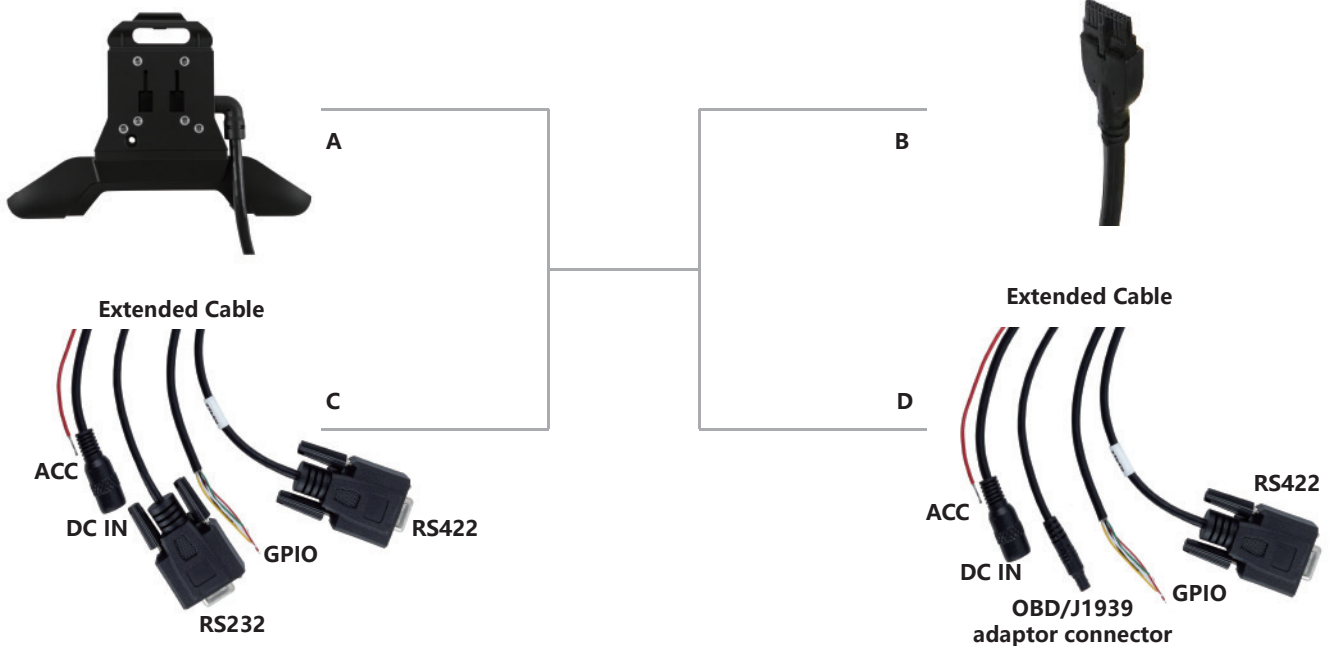
Interface



Accessories

Docking Station

Extension Cable



*Extended cable options: AC, AD, BC, BD



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