

# MDT7A

## In-Vehicle Tablet



Linxio MDT7A series is an industrial-grade rugged in-vehicle tablet designed for Fleet management, ELD/HOS application, Taxi Dispatch, Bus Transportation System, Agriculture Autopilot and special vehicles. A reliable tablet suitable for harsh automobile environment and configured with competitive features, including high brightness, wide voltage support, IP67 rating, shock resistance, etc.

### 01 High Brightness

800 nits screen and sunlight readable

### 02 ISO 7637-II

ISO 7637-11 Transient Voltage Protection standard, with stand up to 174V300ms car surge impact DC8-36V Wide voltage power supply design

### 03 Battery replaceable

Easily to replace a new battery by maintenance personnel

### 04 Real-time precision tracking

With SAEJ1939/00BD-II interfaces, recording data automatically  
Compliant with multiple HOS rules(FMCSA) including Property/Passenger 60-hour/7-day & 70-hour/8-day

### 05 CAN BUS

ISO11898 standard & CAN BUS 2.0 protocol  
Supports higher-layer protocols of SAE J1939 and OBD-II etc.

### 06 ELD made easy

Comply with IP67 rating  
1.5 meters drop resistance  
Anti-vibration & shock standard by US Military MIL-STD-810G

### 07 All-round ruggedness

Dual-satellite system running GPS + GLONASS  
Integrated 4G LTE for round-the-clock connectivity

Rugged & Reliable Tablet Ready for Logistics & Fleet Management and Dispatching

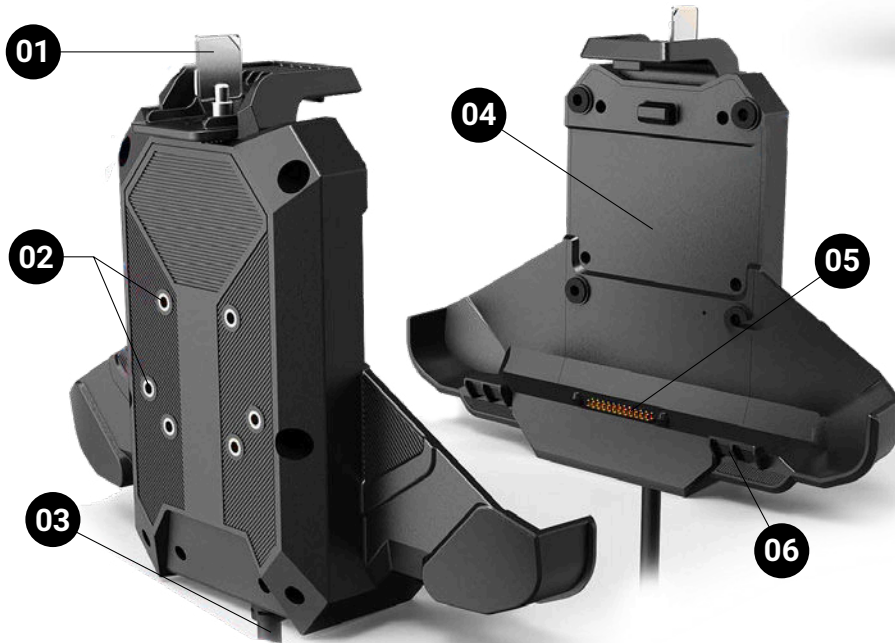


# Specification





## MDT7A

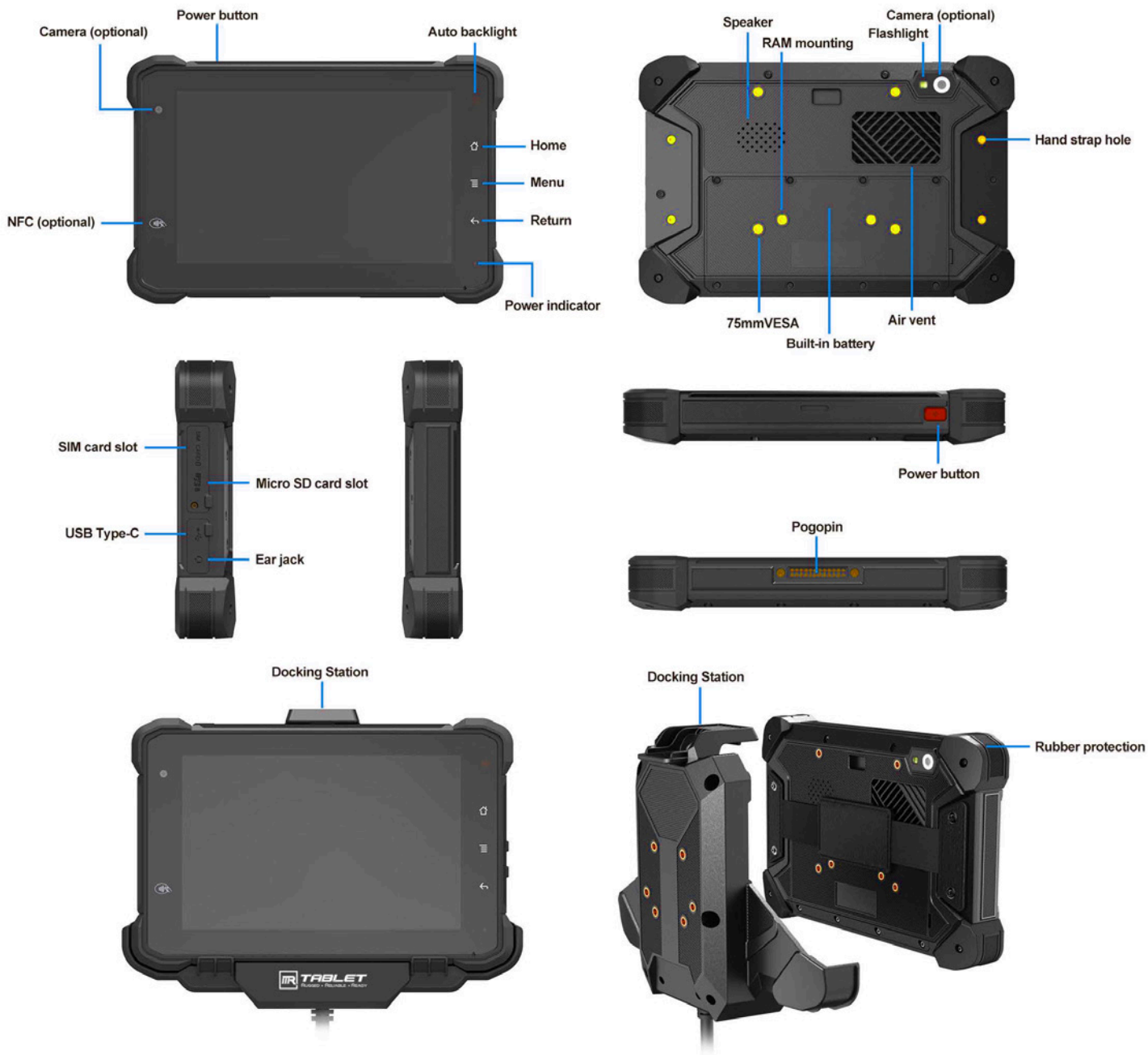
CPU	Qualcomm Cortex-A53 64-bit Octa-core Processor, 1.8GHz
GPU	Adreno 506
Operating System	Android 9.0
RAM	2 GB LPDDR3(Default)/3GB(Optional)
Storage	16 GB eMMC (Default)/32GB(Optional)
Storage Expansion	Micro SD 128 GB
LCD	7" HD (1280 x 800), 800cd/m <sup>2</sup> higher brightness, Sunlight readable
Touchscreen	10 point multi touch capacitive touchscreen supporting glove and rain mode
Camera (optional)	Front: 5 MP Rear: 16 MP with LED light
Bluetooth	4.2 BLE
WLAN	IEEE 802.11 a/b/g/n/ac; 2.4GHz/5GHz
Mobile Broadband	LTE, HSPA+, UMTS, EDGE, GPRS, GSM (Data and Voice)
GNSS	GPS/GLONASS
NFC (Optional)	Read/Write Mode:ISO/IEC 14443 A&B up to 848 kbit/s, FeliCa at 212 &424 kbit/s MIFARE 1K, 4K,NFC Forum type 1,2,3,4,5 tags,ISO/IEC 15693 All peer-to-peer modes Card Emulation Mode(from host):NFC Forum T4T (ISO/IEC 14443 A&B) at 106 kbit/s
Sound	Build-in speaker 2W, 85dB Internal microphones
Interfaces	Type-C, Compliant with USB 3.0, (For charging and data transfer; support OTG) POGO-PIN connector x24 Headset jack
Sensors	Acceleration sensors, ambient light sensor
Power	DC8-36V (ISO 7637-1 compliant) Type-C charge: 5V 2A Battery: 3.7V,5000mAh Li-ion (Replaceable) Battery operating time: about 4.5hours (Typical) Battery charging time:about 4.5hours
Physical Dimensions	207.4x137.4 x 30.1mm
Weight	815g
Environment	Gravity drop resistance test: 150cm Vibration test: MIL-STD-810G Dust resistance test: IP6x Water resistance test: IPx7 Operating temperature; -10°C ~ 65°C (14°F ~ 149°F) / 0°C ~ 55°C (32°F ~ 131°F) (charging) Storage temperature: -20°C ~ 70°C (-4°F ~ 158°F)

# Docking Station



- 01 Security Lock**  
Hold the top of tablet tightly and easily
- 02 Screw Holes**  
M4 hole sizes RAM mount compatible  
1.912" RAM mount compatible (AMPS holes)  
75mm VESA mounting support
- 03 Rich Interfaces**  
CAN BUS (J1939, OBD-II), RS232, GPIO, etc.
- 04 ELD Mandate**  
SAE J1939/OBD-II protocols built-in 7 days data uninterrupted recording
- 05 Pogo Pins**  
Reliable electrical connection in rigorous environments  
Data real-time synchronous storage  
Device portable for roadcheck
- 06 Paw Mechanism**  
Prevent skidding and falling off

	Standard version	CAN BUS version	SAE J1939 version	OBD-II version
<b>Picture</b>				
<b>Protocol</b>	Tablet connected to Linxio OBD-II Scanner by Bluetooth. • The OBD-II Scanner built in related chips supporting SAE J1939 or OBD-II protocols, with built-in memory storage can save engine data for up to 7 days.	Docking Station built in CAN Bus complied with ISO 11898 Standard. • Support CAN protocol specification version 2.0 part A, B. • CAN baudrate from 10K to 1Mbps.	Docking Station built-in SAE J1939 protocol. Portable for Road Check with Wire data synchronization and transmission. Compliant with multiple HOS Rules (FMCSA) including Property/Passenger 60-hour /7-day & 70-hour / 8-day. • Support SAE J1939, SAE J1708 Heavy Duty • Support ISO 15765 and CAN bus user protocols • Support 250KBit/s, 500KBit/s	Docking Station built-in OBD-II protocol. Portable for Road Check with Wire data synchronization and transmission. Compliant with multiple HOS Rules (FMCSA) including Property/Passenger 60-hour /7-day & 70-hour / 8-day. OBD-II Port with baud rate from 38 bps to 10 Mbps • Support for all legislated OBD-II protocols • ISO 15765-4 (CAN) • ISO 14230-4 (Keyword Protocol 2000) • ISO 9141-2 (Asian, European, Chrysler vehicles) • SAE J1850 VPW (GM vehicles) • SAE J1850 PWM (Ford vehicles) • Support for non-legislated OBD protocols • ISO 15765 / ISO 11898 (raw CAN)
<b>RS232</b>	x2	x1	x1	x1
<b>GPIO</b>	Input x2 , output x2			
<b>RS485(optional)</b>	x1	\	\	\
<b>RS422(optional)</b>	x1	\	\	\
<b>USB</b>	USB Type-A (can not be used simultaneously with USB Type-C on the device)			
<b>ACC</b>	x1			
<b>Power</b>	12/24V car power system (8-36V DC input, ISO 7637-2 compliant)			
<b>RAM Mount</b>	1.912" RAM mount compatible (AMPS holes)			
<b>VESA Mount</b>	75mm			
<b>Environment</b>	Operating: -10°C ~ 65°C (14°F ~ 149°F), Storage temperature: -20 ~ 70°C (-4°F ~ 158°F), 0 ~ 95% (humidity)			
<b>Certifications</b>	FCC / CE / E-Mark / RED...			
<b>Weight</b>	550g			



## Accessories



- Allen wrench
- Screws for RAM
- SIM card plug



USB to Type-C cable



OBD-II female to open wire



J1939 female to open wire



Power adaptor



RAM-B-101U-225B

RAM 1" Double Ball Mount with Backing Plate

Optional