M700DM8-4E, 7-inch Rugged Tablet PC

A Rugged Tablet that Can Survive Any Environment and Get Real Work Done

M700DM8 is a compact rugged tablet PC with robust set of features designed to withstand industrial use while providing high tech solutions that increase productivity, improve safety, and reduce operational costs.

The processing power comes from Arm® Cortex®-A53 Octa Core processor that supports Android 7.0 OS. The tablet features a brilliant, in-plane switching with projected capacitive touch screen and offers 1280 x 720 pixel resolution. Weighing at just 1.2 pounds (approx. 550 grams) the M700DM8 delivers lightweight mobility in a pocket-sized rugged tablet.

Highlights

- Arm® Cortex®-A53 Octa Core Processor
- 7" 1280 x 720 TFT Panel with direct optical bonding
- Supports Android 7.0 OS
- Hot-swappable battery design
- IP65 waterproof and dustproof
- Rated for extreme temperature use
- Optional integrated 2D barcode reader

Order Information		
	4G	2D Barcode Reader
M700DM8-4E	4G/LTE for for EU and Asia	Optional
M700DM8-4EBM	4G/LTE for for EU and Asia	Default

NFC Tag Support

Support Card Type (13.56 MHz)	
NFC Forum Platform	Type 1, Type 2, Type 3, Type 4
ISO 15693	TI HF-I Plus, TI HF-I Pro, NXPI-Code SLI
ISO 14443-A	NXP Mifare_One(S50_4byte), NXP Mifare_One(S50_7byte), NXP Mifare_One(S70_4byte), NXP Mifare_UltraLight, NXP Mifare_UltraLight C NXP Mifare DesFire_EV1 NXP Mifare_Plus S/X
ISO 14443-B	Ifineon JTOP
ISO 18092(R/W)	SONY Felica Lite s, SONY Felica Lite

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Display Specification

Size	7-inch
Resolution	1280 x 720
Brightness	650 nit
	With direct optical bonding for sunlight readable
Touch	Multi-touch projected capacitive
Contrast Ratio	800:1
Viewing Angle	80/80/80/80
Technology	• Ambient light sensor, g-sensor
	• Automatic screen rotation

System Specification

Processor	Arm® Cortex®-A53 Octa-core 1.3 GHz
System Memory	2GB RAM [1]
Storage	16GB eMMC
	Additional storage available with optional Storage Card: SD (up to 2 GB), SDHC (up to 64 GB)
Operating System	Android 7.0

Wireless Communication

WLAN	802.11 a/b/g/n
Bluetooth	Bluetooth 4.0
	Support BLE mode + wide-band speech
GPS	GPS / AGPS / GLONASS
WWAN	4G/ LTE or 3G.

Interface

Docking Connector	1 x docking connector
USB	1 x Micro USB OTG
Power Input	1 x Power Jack
Micro SD	1 x Micro SD Card Slot
SIM Card Slot	1 x SIM Card Slot

Keyboard and Input

Touch	10-point multi touch, support Hand / Gloves and Rain Mode
Button	On-screen QWERTY keyboard Button 1 x Volume +/- , 1 x Power Button, 1 x Home Button, 1 x Menu Button, 1 x Return Button, 1 x Trigger Button
LED Indicators	2 x LED indicators (Power, Battery)

Audio

Microphone	2 x Built-in Mic
Speaker	1 x 1.2 W speaker
Earphone	1 x Earphone

Cameras

Web Camera	2MP Camera
Rear Camera	8MP Camera with LED auxilliary light (auto focus)

Data Capture

Barcode Reader	Optional 2D Barcode Reader

Security Function

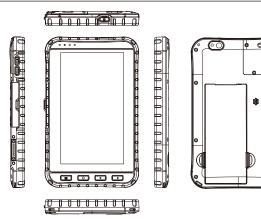|	
Mobile Device Management	SOTI Mobicontrol compatible [2]

Mechanical and Environment

Dimension (W x L x H)	212.4 x 132.8 x 19 mm (8.36 x 5.23 x 0.75 inches) [3]
Weight	550g
Operating Temperature	-20°C to 60°C (AC mode), -10°C to 50°C (Battery mode)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Humidity	5% to 95% RH, non-condensing
IP Proof	IP65 Certified, waterproof and dustproof
Shock	MIL-STD-810G Method 516.6 Procedure I
Vibration	MIL-STD-810G Method 514.6 Procedure I
Drop	MIL-STD-810G Method 516.6, 5 ft to concrete [4]

Power Management

Power Input	5V DC
Battery	3.7V 5300mAh Li-Poly
Battery Operating Time	20Hr [5]
Adapter	100-240V/ 5V 3A Adapter

Accessories

Standard Accessories

Universal Adapter	9226015W05V1
Battery	98K007SP002P

Optional Accessories [6]

Battery Charging Dock	98TA00Z00003
Vehicle Dock (Charging + Connectors)	98TA07Z00004
Vehicle Dock (Charging Only)	98TA07Z00003
Desk Dock	98TA07Z00005
Hand Strap	98K000A0004R
Carry Bag	9B000000000X
Micro SD Card	76G004300000
Capacitive Touch Stylus	9B000000001D
Vehicle Adapter	98TZ00ZZ0006

Drawing [7]

⚠ **Caution**
Do Not Expose the Battery Pack to Excessive Heat, or Extreme Heat (Near Fire, in Direct Sunlight for example)
Do not expose bare skin to this product when handling this unit in extreme hot or cold environments

1. Total usable memory will be less depending upon actual system configuration
2. SOTI are available upon request
3. Length measurements do not include protrusions.
4. The drop test with high-capacity battery must come with hand strap
5. Measured at dimming LCD brightness. Varies depending on the usage conditions, or when an external device is attached.
6. Accessories and Integrated Options may vary depending on your configuration.
7. This is a simplified drawing and some components are not marked in detail.