

## 10.1" Android Rugged Tablet with MTK Octa-core Processor

### Overview

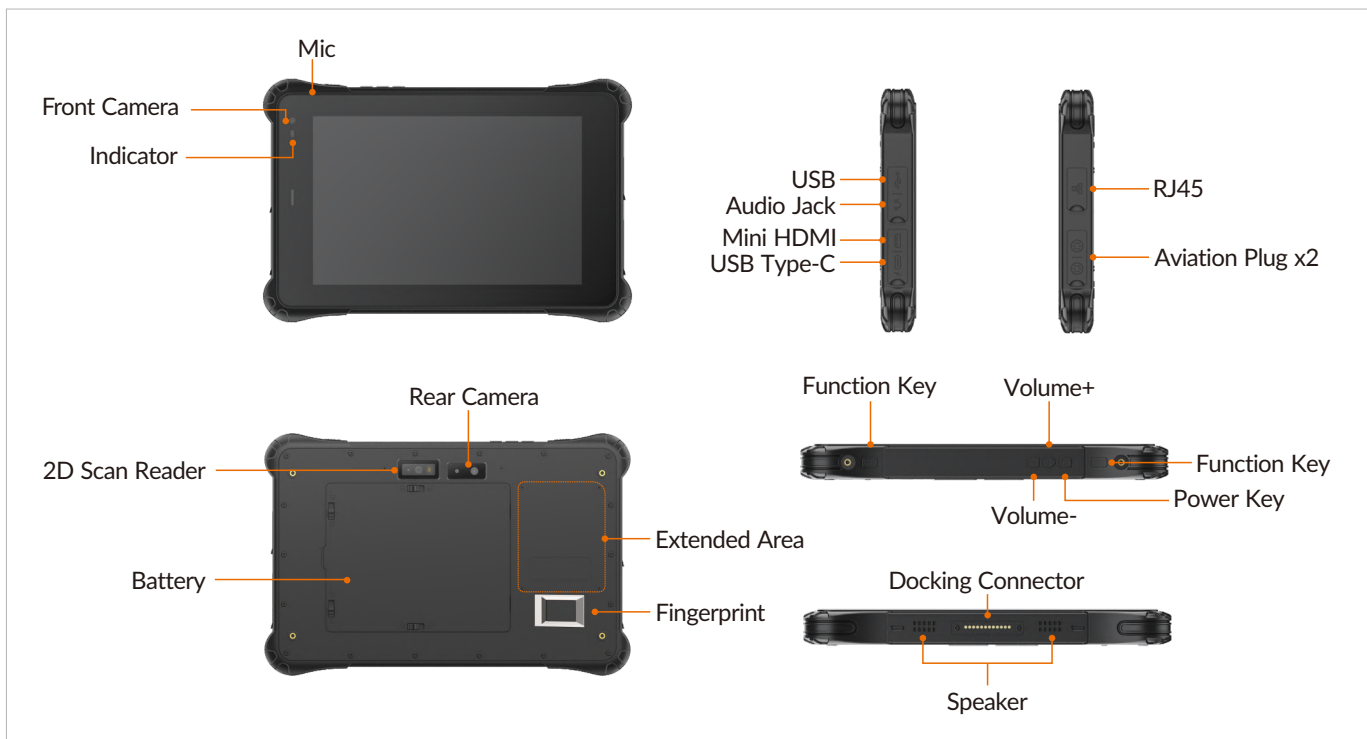
Darveen rugged tablets are crafted to withstand the harshest industrial environments, providing mobile solutions that increase productivity, enhance safety, and reduce operational costs. The RTC-M101 is equipped with the Android 11 operating system and a 10.1-inch screen supported by stylus, glove, and wet-touch modes. It also features an integrated IPS 700-nit screen for clear visibility and operational comfort, regardless of the weather or application.

### Features

- MTK MT6771 Octa-core processor
- Android 11 operating system
- Supports 1D, 2D barcode reader, NFC, RFID, fingerprint (optional)
- Supports 4G, WLAN, BT, and GNSS
- Rich I/O interfaces including: RS-232, RJ45 Ethernet, USB, HDMI
- Removable high-capacity battery design
- IP67 and MIL-STD-810H certified



### I/O Interfaces

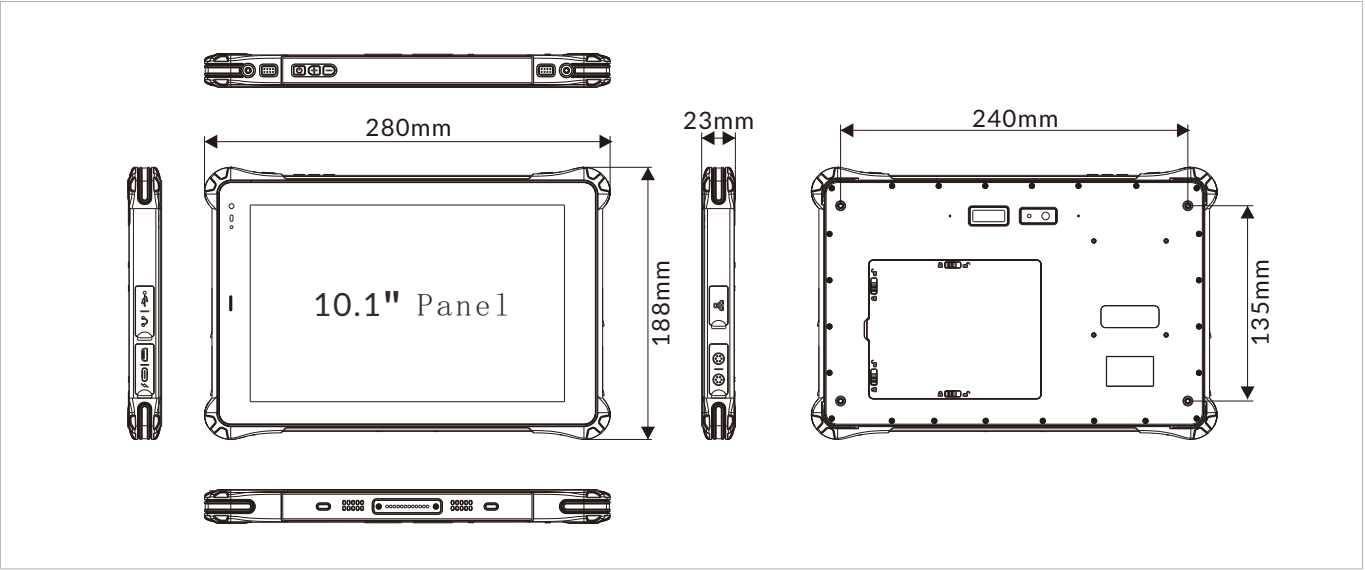


## Specifications

|                                   |                                                                                                                                                                      |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Display</b>                    |                                                                                                                                                                      |
| Size                              | 10.1 inch                                                                                                                                                            |
| Touch Type                        | G+G Capacitive multi-touch screen, gorilla glass, hardness 7h                                                                                                        |
| Resolution                        | 1280 × 800 (optional 1920 × 1200 )                                                                                                                                   |
| Luminance                         | 700 nits (1200 × 800); 500 nits (1920 × 1200)                                                                                                                        |
| Contrast Ratio                    | 800: 1                                                                                                                                                               |
| View Angles                       | 85 (left), 85 (right), 85 (up), 85 (down)                                                                                                                            |
| Color                             | 16.7M                                                                                                                                                                |
| <b>System</b>                     |                                                                                                                                                                      |
| CPU                               | MTK MT6771, ARM Cortex-A73 Quad-core 2.0 Ghz,ARM Cortex-A53 Quad-core 2.0GHz                                                                                         |
| Memory                            | 4GB LPDDR4 (optional 6GB )                                                                                                                                           |
| Storage                           | 64GB EMMC (optional 128GB )                                                                                                                                          |
| Graphics                          | ARM Mail-G72                                                                                                                                                         |
| Camera                            | Front: 5MP fixed-focus camera<br>Rear: 13MP autofocus camera with flash                                                                                              |
| Sensor                            | Compass, Gyroscope, G-sensor, Light sensor                                                                                                                           |
| <b>Keypad &amp; Keyboard</b>      |                                                                                                                                                                      |
| Buttons                           | 1x Power button, 1x Volume+, 1x Volume -, 2x Barcode scan keys                                                                                                       |
| <b>I/O Ports</b>                  |                                                                                                                                                                      |
| USB                               | 1x USB 2.0 Type A<br>1x USB 2.0 Type C (supports power charging and data transfer)                                                                                   |
| Ethernet                          | 1x RJ45 10/100M                                                                                                                                                      |
| Display                           | 1x Mini HDMI                                                                                                                                                         |
| Audio                             | 1x 3.5mm audio combo jack                                                                                                                                            |
| SIM Card Slot                     | 1x Micro SIM card slot                                                                                                                                               |
| TF Card Slot                      | 1x TF card slot, up to 256GB                                                                                                                                         |
| Aviation Plug                     | 2x Aviation plug (choose two out of three from USB, RS232 or DC-in)                                                                                                  |
| Docking Connector                 | 1x 12-Pin                                                                                                                                                            |
| <b>RF Communication</b>           |                                                                                                                                                                      |
| Wi-Fi                             | Wi-Fi 802.11 (a/b/g/n/ac), dual band (2.4G + 5.0G)                                                                                                                   |
| Cellular                          | GSM: B2/B3/B5/B8, WCDMA: B1/B2/B5/B8<br>TD-SCDMA: B38/B39/B40/B41<br>CDMA2000: BC0/BC1<br>FDD: B1/B3/B5/B8/B20/B28a/B28b or B2/B4/B7/B17<br>TDD: B34/B38/B39/B40/B41 |
| Bluetooth                         | Bluetooth V4.2                                                                                                                                                       |
| GNSS                              | GPS, GIONASS, BeiDou                                                                                                                                                 |
| <b>Data Collection (optional)</b> |                                                                                                                                                                      |
| NFC                               | 13.56MHz, supports ISO/IEC 14443A/14443B/15693/18092/mifare                                                                                                          |
| RFID                              | UHF RFID,supports PR9200                                                                                                                                             |
| Barcode Reader                    | 1D, 2D barcode reader                                                                                                                                                |
| Fingerprint                       | FBI/ISO/GA Certification                                                                                                                                             |
| <b>Audio</b>                      |                                                                                                                                                                      |
| Speaker                           | 8Ω/1W, dual stereo speakers                                                                                                                                          |
| MIC                               | Built-in microphone                                                                                                                                                  |
| <b>Power</b>                      |                                                                                                                                                                      |
| Power Adapter                     | Input AC: 100-240V, 50-60Hz, Output DC: 5V 3A                                                                                                                        |
| Battery                           | Removable lithium-ion polymer battery, 3.8V 10000mAh                                                                                                                 |
| Battery Life                      | 8 hours                                                                                                                                                              |
| <b>Operating System</b>           |                                                                                                                                                                      |
| Android                           | Android 11                                                                                                                                                           |

|                        |                                                          |
|------------------------|----------------------------------------------------------|
| Mechanical             |                                                          |
| Dimensions (W x D x H) | 280 x 188 x 23mm (11.02 x 7.40 x 0.91 inches)            |
| Weight (N.W.)          | 1150g (2.54 lbs)                                         |
| Environment            |                                                          |
| Operating Temperature  | -10 °C to 50 °C (14 to 122°F)                            |
| Storage Temperature    | -20 °C to 60 °C (-4 to 140°F)                            |
| Relative Humidity      | 95% @ 40°C (104°F), non-condensing                       |
| Vibration              | MIL-STD-810H: 2022 Method 514.8 Procedure I              |
| Drop                   | MIL-STD-810H: 2022 Method 516.8 Procedure IV, 4ft        |
| IP Rating              | IP67                                                     |
| Certification          |                                                          |
| EMC                    | CE, FCC                                                  |
| Packing List           |                                                          |
| Packing                | 1x RTC-M101, 1x Battery, 1x Hand strap, 1x Power adapter |

Dimensions



Optional Accessories

| Part No. | Description    |
|----------|----------------|
| SS18     | Shoulder strap |
| HS8      | Hand strap     |

Ordering Information

| Part No.       | Description                                                                                         |
|----------------|-----------------------------------------------------------------------------------------------------|
| RTC-M101-B1000 | 800 x 1280@700nit, MT6771, 4GB + 64GB, Wi-Fi, Bluetooth, 4G, GPS, 3.8V@10000mAh Battery             |
| RTC-M101-B1200 | 800 x 1280@700nit, MT6771, 4GB + 64GB, Wi-Fi, Bluetooth, 4G, GPS, 3.8V@10000mAh Battery, 2D Barcode |