



### FEATURES

- 8" IPS LCD Screen (1200 x 800 Resolution)
- Fast Octa-Core Cortex-A53 ARM Processor
- Android or Linux (Custom Projects) OS
- IP-65 Water & Dust Protection
- 4ft Drop/Shock Protection (MIL-STD-810G)
- Long Life Battery - up to 8 Hours Runtime
- 10-Point Capacitive Touchscreen
- Options: Barcode, Fingerprint, NFC Reader & GPS

For do-anything computing power in a more efficient tablet size, Estone Technology's MJ-80 8" Rugged Medical Grade Tablet PC is the perfect choice. This compact tablet features the most popular options of our larger medical grade tablets, at a size equipped for easy carrying and use all around a medical facility. Options like a fingerprint reader to keep operations secure and streamlined. It's rugged specifications for waterproof and shockproof durability and integrated GPS features make this a perfect application for any industry.

### SPECIFICATIONS

#### RUGGEDNESS

|                  |                                                                               |
|------------------|-------------------------------------------------------------------------------|
| Waterproof       | IP-65 IEC60529                                                                |
| Drop Rating      | MIL-STD-810G, 4ft to Plywood on 26 Corners                                    |
| Shock Rating     | MIL-STD-810G, Method 516.6, Procedure I, 40g 11ms                             |
| Vibration Rating | MIL-STD-810G, Method 514.6, Procedure I, Category 4, Category 20, Category 24 |
| ESD Protection   | 6KV Touch, 8KV Air                                                            |
| EMC Test         | Follows FCC                                                                   |

#### SYSTEM

|           |                                                           |
|-----------|-----------------------------------------------------------|
| Processor | RockChip RK3368, 1.5GHz, Octa-core Cortex-A53             |
| GPU       | G6110 GPU 4K@60fps H.265 HDMI 2.0 with HDCP 2.2           |
| Memory    | 2GB LPDDR3-1866<br><b>Options:</b><br>4GB LPDDR3-1866     |
| OS        | Android 7.1<br><b>Options:</b><br>Linux (Custom Projects) |
| Storage   | 32GB eMMC v5.1<br><b>Options:</b><br>64GB eMMC v5.1       |

#### DISPLAY

|                |                                                                                                                                                          |
|----------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Screen Size    | 8" IPS                                                                                                                                                   |
| Resolution     | 1200 x 800                                                                                                                                               |
| Brightness     | 300 NIT                                                                                                                                                  |
| View Angle     | +/- 85°                                                                                                                                                  |
| Contrast Ratio | 800:1                                                                                                                                                    |
| Touch Screen   | Capacitive 10-Point Multi-Touch<br>Chemically Hardened Cover Glass<br><b>Glass Coating Options:</b><br>Anti-Reflective<br>Anti-Glare<br>Anti-Fingerprint |

#### COMMUNICATIONS

|              |                                                                                                                                                                                      |
|--------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Wi-Fi        | AP6255, 802.11 a/b/g/n/ac Dual-Band 2.4G & 5G                                                                                                                                        |
| Bluetooth    | Bluetooth v4.0                                                                                                                                                                       |
| GPS (Option) | Tracks Up to 16 Satellites, 1575.42 MHz<br>Device GPS Accuracy < 15m, 95% Typical<br>Velocity Accuracy 0.05m/s<br>Heading Accuracy 0.3 Degrees<br>Horizontal Position Accuracy < 10m |
| NFC (Option) | Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm                                                                                                                        |

#### I/O INTERFACE

|                             |                                                                                                                                       |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| Sensors                     | Gyroscope<br>Light Sensor<br>Compass                                                                                                  |
| Audio                       | 1x Built-In Microphone<br>1x Internal 8ohm 1W speaker                                                                                 |
| Camera                      | Front Camera: 2MP<br>Rear Camera: 8MP with Auto Focus                                                                                 |
| Ports                       | 1x USB 2.0<br>1x Micro USB @1A<br>1x Micro HDMI Output Type D<br>1x Audio Jack (3.5mm, 4 Pole, MIC input)<br>1x DC Jack 5.5mm OD Jack |
| Buttons                     | Power Button<br>Volume +, Volume -<br>2x Programmable                                                                                 |
| Barcode Reader (Option)     | Newland NLS-EM2096, Built-In 1D/2D                                                                                                    |
| Fingerprint Reader (Option) | Capacitive                                                                                                                            |

#### MECHANICAL

|            |                                            |
|------------|--------------------------------------------|
| Chassis    | Front: Plastic + TPU Rubber, Back: Plastic |
| Dimensions | 237 x 159 x 17mm                           |
| Weight     | .75kg                                      |

#### POWER

|            |                                                                                                                      |
|------------|----------------------------------------------------------------------------------------------------------------------|
| AC Adapter | 12V DC 3A Output, 100-240V AC input, Standard US Plug<br><b>Options:</b><br>Medical AC Adapter<br>Multi-Nation Plugs |
| Battery    | 24WHh Battery, Li-on Polymer, 2S1P, 7.4V 3200mAh                                                                     |

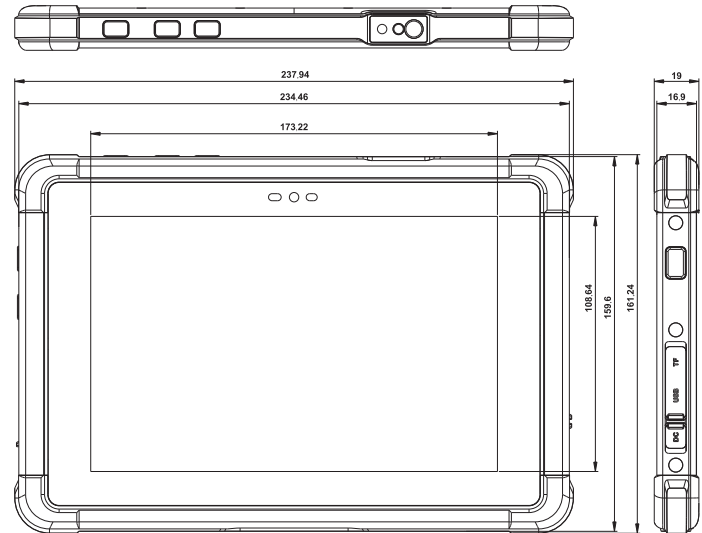
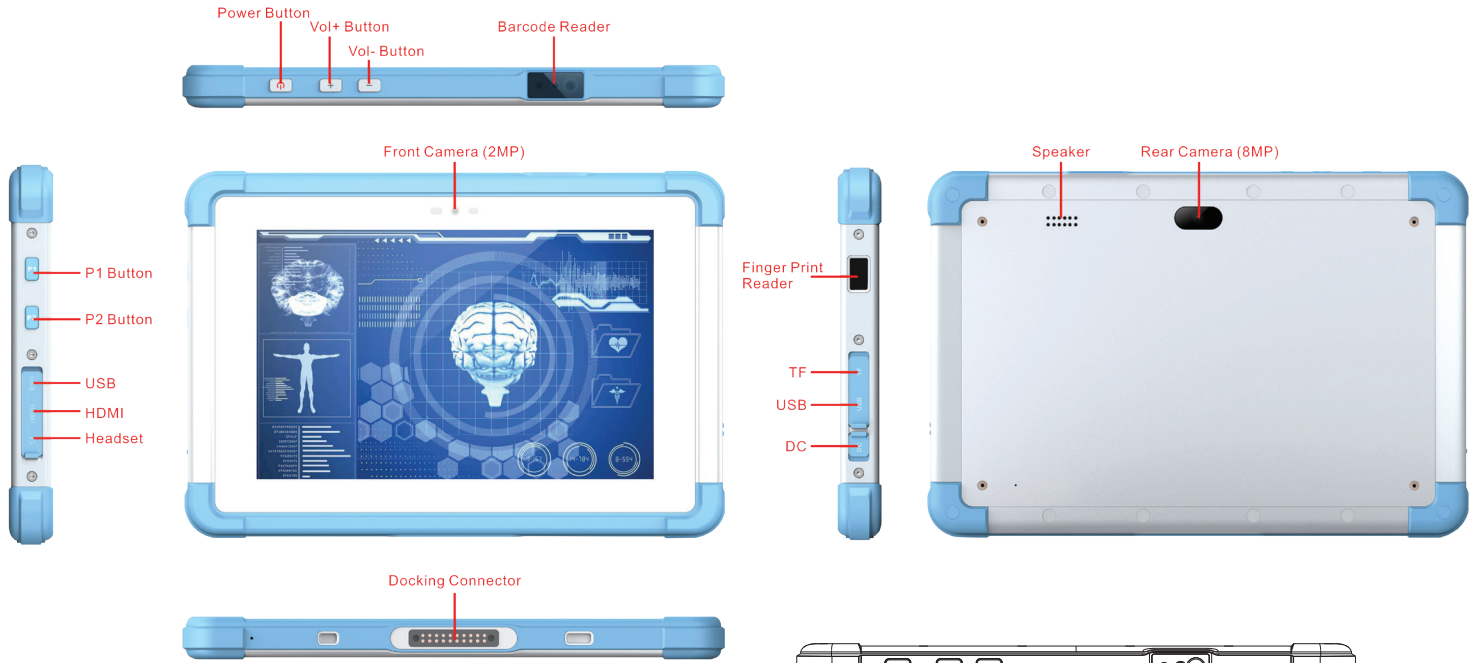
#### ENVIRONMENTAL

|                |               |
|----------------|---------------|
| Operating Temp | 0°C to 45°C   |
| Storage Temp   | -20°C to 60°C |
| Humidity       | 10% to 90%    |
| RoHS           | Compliant     |

#### REGULATORY

|               |                                 |
|---------------|---------------------------------|
| Certification | FCC, IATA, IEC62133, IEC60601-1 |
|---------------|---------------------------------|

\*Specifications are representative. Specific product technology may be different than indicated.



### ODM OPTIONS

#### SYSTEM

Memory 4GB LPDDR3-1866  
Storage 64GB eMMC v5.1  
OS Linux (Custom Projects)

#### DISPLAY

Glass Coating Options Anti-Reflective  
Anti-Glare  
Anti-Fingerprint

#### COMMUNICATIONS

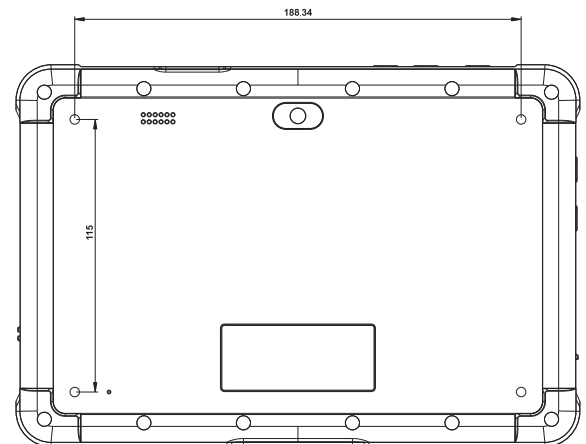
GPS Tracks Up to 16 Satellites, 1575.42 MHz  
Device GPS Accuracy < 15m, 95% Typical  
Velocity Accuracy 0.05m/s  
Heading Accuracy 0.3 Degrees  
Horizontal Position Accuracy < 10m  
NFC Compliant with ISO/IEC 14443 A/B, 15693/18092, Distance 2.5mm

#### I/O INTERFACE

Barcode Reader Newland NLS-EM2096, Built-In 1D/2D  
Fingerprint Reader Capacitive

#### POWER

AC Adapter Medical AC Adapter  
Multi-Nation Plugs



### ACCESSORIES



Docking Station