



Features

- 12.2" 16:10 FHD IPS Display
- Intel Core i7 CPU with DDR4L RAM
- Hot Swappable Battery
- IP65 and MIL-STD-810G Rated
- Full Function USB Type C
- Expansion port for 1D/2D, NFC, Serial, Ethernet

Technical Specifications

Primary Components

| | |
|------------------|--|
| Processor Family | Intel Core I Series 8th Generation Kaby Lake R |
| Processor Model | Core i7-8550U |
| Processor Speed | 2.0 GHz |
| Memory Type | Onboard DDR4L |
| Memory Support | 16GB, 32GB (MOQ) |
| Storage Type | M.2 |
| Storage Support | 128GB (Standard), up to 1TB (Optional) |

Display

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|-------------|----------|
| Screen Size | 12.2" |
| Brightness | 280 nits |

Touch Screen

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|--------------|------------------------------------|
| Touch Screen | Projected Capacitive (Multi-touch) |
| Hardness | 7H |
| Glass Type | Gorilla Glass |

External I/O Ports

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|------------------|---|
| USB | 1x USB 3.0, 1x USB Type C (USB 3.0, HDMI, Charging) |
| Video Outputs | 1x Mini HDMI |
| Other Ports | 1x TF Card Slot |
| Audio Ports | 1x 3.5mm Headphone Jack |
| Power Input Port | 4.0mm DC-in Jack |

Power

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|---------------------|--------|
| Input Voltage Range | 19V DC |
|---------------------|--------|

Battery

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|------------------------|--|
| Battery Type | Hot Swappable 7.4V/6300mAh Battery, Internal 7.4V/860mAh Battery |
| Battery Operating Time | 5hrs (Default 50% volume, 50% Brightness, Playing 1080P Video) |

Operating Systems

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|---------|-------------------------------|
| Windows | Windows 10 Pro, Windows 7 Pro |
|---------|-------------------------------|

Compatibility

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| Security Hardware | TPM 2.0 |
|-------------------|---------|

Expansion Slots

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|--------------------------|---|
| Expansion Module support | Choose 1 Option Only - Option 1 Default: 1x Ethernet RJ45; Option 2: 1x D89(RS232) Serial port; Option 3: 1x USB 2.0; Option 4: 1x 1D Scanner- MOTO SE655E100R; Option 5: 1x 2D Scanner-Honeywell N3680 |
|--------------------------|---|

Multimedia

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|------------|--------------------------------|
| Speakers | 1x 0.8W Speaker |
| Camera | Front: 2MP, Rear: 8MP w/ flash |
| Microphone | Built-in Microphone |

Thermal & Environmental

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|-----------------------|------------------------------|
| Operating Temperature | -20°C - 60°C (-4°F – 140°F) |
| Storage Temperature | -30°C - 70°C (-22°F – 158°F) |
| Cooling Solution | Active – with Fan |
| Humidity Range | 5% – 95% Non-condensing |
| Storage Humidity | 5% – 95% Non-condensing |

Enclosure

| | |
|---------------------|---|
| IP Rating | IP65 |
| Color | Black |
| Led Indicator Light | Battery, Power |
| Control Buttons | Audio Down, Audio Up, Home, Power Button, Scanner |
| Shock Rating | MIL-STD-810G Shock and Drop Resistant |

Peripherals & Wireless Connectivity

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|-----------------------|--|
| WiFi | WiFi 802.11(a/b/g/n/ac) |
| Bluetooth | Bluetooth 4.2 |
| GPS | Ublox M8 |
| Mobile Network 4G LTE | Quectel EC25 M.2 Modules |
| Sim Card | 1x Micro SIM Card Slot |
| Barcode Scanner | Optional 1D/2D Barcode Scanner |
| Peripheral Other | Optional Fingerprint Reader, Optional NFC Reader |
| Sensors | Accelerometer |

Weight / Dimensions

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|------------|---|
| Weight | 1.54 kg (3.4 lbs) |
| Dimensions | 331 x 230 x 22 mm (13.0 x 9.1 x 0.9 in) |

Certification

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|----------------|--------------------|
| Certifications | IP65, MIL-STD-810G |
|----------------|--------------------|

Warranty

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|----------|--------|
| Warranty | 1 Year |
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I/O Diagram Images



Tech Diagram Images



All specifications are subject to change without notice.