M3 UL20X | UL20F | UL20W

Full Touch Ultra Rugged Computer



5 inch Full HD Display

With large high visibility color display, Full HD screen enables stable business. UL20 offers crystal 5.0 Inch Corning® Gorilla® Glass on display. UL20F provides Corning® Gorilla® on both display and scanner window.

IP67 sealing

Device can be used in harsh environments under IP67 dust and water proof.

6,700mAh Battery use in cold warehouse*

UL20 Series have battery of same capacity; 6,700mAh even in cold warehouse. Because the battery is insulated. Furthermore, the special freezer battery maintains performance in extreme cold warehouse.

Long Range Scanner

UL20 Series are equipped with Long range scanner. It is able to read maximum 21.4 meters. (Depends on barcode size.)

Angled Scanner (25 degrees)

Tilted scanner helps comfortable aiming without bending wrist while looking at front screen.

Defogging makes vivid window*

UL20F is upgraded as working under -30°C with automatic sensor to control temperature of screen and scanning window. Besides, UL20F provides frozen key and battery working moderately on the low temperature.

(* It applies for UL20F)



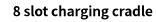
Specification

| | UL20X | UL20W | UL20F |
|-----------------------|---|-----------------------------|--|
| DIMENSION (W x H x D) | 88.7 mm x 244.75 mm x 46.19 mm | | |
| WEIGHT | 530g (2D Scanner), 580g (Long range Scanner) | | |
| DISPLAY | 5 in. FHD (Full High Definition) (1920X1080) Outdoor view-able, Frost-free (UL20F) | | |
| TOUCH | Corning Gorilla Glass / Capacitive multi-touch / Glove, Wet, Stylus | | |
| BATTERY | Li-ion 3.6 V 6,700 mAh, designed for high performance in low temperatures (UL20F) | | |
| POWER MANAGEMENT | Fast Charging / Battery Hot Swap | | |
| SIM / SAM | 2SIM N/A | | |
| PHYSICAL KEYS | 35-Key Alpha Numeric Function key pad and 6 Side key, (Optional) 28-Key, 53-Key | | |
| PROCESSOR | 2.2 GHz Octa-core processor | 2.0 GHz Octa-core processor | 2.2 GHz Octa-core processor |
| os | Android 8.1 / 9.0 GMS / 10 GMS | | |
| MEMORY | 4GB RAM, 64GB ROM | 2GB RAM, 16GB ROM | 4GB RAM, 64GB ROM |
| INTERFACE | USB 2.0 Client (C type), USB 2.0 Host (A type) | | |
| SENSOR | Light Sensor: Automatically adjusts the brightness of the display Magnetometer sensor: eCompass automatically detects direction and orientation Gyro Sensor, Accelerometers: for X,Y, and Z movement, and gyroscopes for measuring the extent and rate of rotation in space Proximity Sensor: Detect the presence of nearby objects without any physical contact, during a telephone call, proximity sensors play a role in detecting accidental touchscreen taps | | |
| WWAN | GSM: B3, B5, B8 / WCDMA: B1, B5, B8 TDD-LTE: B38, B40, B41 / FDD-LTE: B1, B3, B5, B7, B8, B20 | N/A | |
| WLAN | IEEE 802.11 a/b/g/n/ac/d/e/h/i/k/r/w | | |
| BLUETOOTH | Bluetooth v4.1 LE Class | | |
| GPS | A-GPS, GLONASS, Beidou, Galileo | | N/A |
| SCANNER | 2D Imager Long range (SE4850) | | |
| CAMERA | 16.0 MP (REAR) LED Flash | | |
| RFID | NFC (13.56MHz) Peer-to-peer, card reader, card emulation ISO 14443 A / B, ISO 15693 | | |
| TEMPERATURE | Operating -20 °C to 60 °C (-4 °F to 140 °F) Storage -30 °C to 80 °C (-22 °F to 176 °F) | | Operating -30 °C to 60 °C (-22 °F to 140 °F) Storage -40 °C to 80 °C (-40 °F to 176 °F) |
| HUMIDITY | 0% to 95% non-condensing | | Condensing (Condensation-free using internal heaters) |
| DROP TEST | 2.0M | | |
| IP RATING | IP67 | | |
| HEATER | N/A | | Scanning window heater, LCD Heater |

Accessories







Charging & Ethernet 8 slot cradle







Trigger Handle

Vehicle/Forklift Cradle

2 slot charging cradle