



Rugged Mobile Computing / IQ-8



MSR



RFID



Barcode Scanner

IQ-8

| System | |
|------------------------|---|
| CPU | Qualcomm S600 APQ8060A Cortex A15 Dual core 1.5G |
| Memory | 1GB LPDDR2 |
| Graphic Card | Adreon 225 |
| Storage | 8GB eMMC |
| Operating System | Android 4.3 |
| Display | TFT LCD 8 inch |
| | Touch type : Capacitive type |
| | Backlight Type : LED |
| | Display Resolution : 1024 x 768 (XGA) Luminance : 700 nits Sunlight readable |
| Speaker | Built-in speaker, 1W / 8 ohm |
| Microphone | Built-in microphone, -35/+3 db, 2.2 Kohm, S/N: 58 db |
| Brightness adjustment | Software |
| Light Sensor | Support |
| E-Campass | Support |
| Gyro Sensor | Support |
| Gravity Sensor | Support |
| Altimeter Sensor | Support |
| Build in Function | |
| WiFi | 2.4GHz IEEE 802.11 b/g/n |
| Bluetooth | Integrated Blue Tooth 4.0 |
| GPS/AGPS | 1575.42MHz |
| I/O Ports | |
| USB | 1 x USB 2.0 Type A, 1 x OTG |
| RS-232 | 1 x RS232 connector |
| DC Jack | 1 x DC Power input |
| RJ45 | 1 x 10/100 Ethernet |
| | Support POE (Power-Over-Ethernet applications up to 25.5W) |
| HDMI | 1 x mini HDMI |
| Micro SD | 1 x Micro Secure Digital (SD) card slot |
| SIM Socket | 1 x SIM socket(3G only) |
| Expansion Docking PORT | 16 pin docking connector |
| Control Buttons | 1 x Power on/off button |
| | 1 x Barcode Scanner trigger button |
| | 4 x Function Keys |
| Indicator | 1 Power / 1 Access / 1 Battery status LED |

| Option Functions | |
|-----------------------|---|
| 3G | WCDMA 850/900/1900/2100MHZ GSM/GPRS (850/900/1800/1900MHz) |
| Bar code scanner | 1D or 2D(UART Interface) |
| Camera | Front (2M) & rear (5M) dual Camera |
| GPS | High performance positioning engine. Surport 50 channels. |
| | GPS L1 Frequency, C/A code. SBAS: WAAS/ EGNOS/MSAS |
| MSR(USB Interface) | Media formats: ISO 7811, AAMVA, and other F2F formats |
| | Swipe speed: 7 to 150 cm per second, bi-directional Operating Life: 1,000,000 cycles minimum |
| RFID | 13.56 MHz Mifare DESFire Reader / ISO 15693 Reader |
| | Reading distance: 30mm – 50mm depending on tag types |
| Smart card reader | EMV 4.0 Level 1 spec certifi ed |
| | Based on ISO7816 implementation Support PC/SC 2.0 Smart Card industry standard |
| Power | |
| AC/DC Adapter | Input AC: 100-240V Output DC: 16V / 4A |
| Battery Pack | External 3S1P, 3 Cell, DC 11.1V/3100mAh |
| | Option: External 3S2P, 6 Cell, DC 11.1V/6200mAh |
| Environment | |
| Operating Temperature | -10°C (14°F) to 50°C (122°F) , 0.5°C/min; 24 hr cycle x 3 cycle |
| Storage Temperature | -20°C (-4°F) to 70°C(158°F) , 0.5°C/min; 24 hr cycle x 7 cycles |
| Relative Humidity | 95% @ 40°C (104°F) , 3 x 24 hr cycles |
| Physical | |
| Dimensions | 251 x 181 x 39 (mm) (9.88" x 7.13" x 1.54") |
| Weight | 1.2Kg with battery |
| Accessories | |
| Included | Shoulder strap, Hand strap |
| Optional | Docking station: 4 x USB, 1 x RS-232, 1 x RJ45, 1 x DC in, Earphone, Microphone, Battery charging bay |
| | Vehicle & Wall mount: Standard VESA & DC in 12V-36V vehicle adapter, Stylus, 2 bay battery charger |

| | | | |
|-----------------------|---|---|---------------|
| Operating Temperature | -10°C (14°F) to +50°C (122°F) | Operating | |
| Storage Temperature | -20°C (-4°F) to 70°C(158°F) | Non-operating | |
| Dust Protection | IP6x (dust) | IEC 60529 13.4 test Edition 2.1 2001-2 | Non-operating |
| Water Protection | IPx5 (water) | IEC 60529 14.1/14.2.5 test Edition 2.1 2001-2 | Non-operating |
| Vibration | 5 Hz to 500Hz 2g/5g rms | MIL-STD-810G-514.6,E-2 Sine | Non-operating |
| | 20Hz to 2000 Hz 7.69g rms | MIL-STD-810G-514.6,E-1 Random | Non-operating |
| Drop Test | Drop Height: 1200mm | | Non-operating |
| | Drop Onto: 4 corner 4 Edges 2 Faces | | |
| Regulatory | CE / FCC / FCC ID / EN 60950-1 2005 | | |



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