**NCTS-PDA4W Industrial Smart Handheld Terminal**



Camera

NFC identification

QR code Reader

Waterproof, anti-fall, dustproof

1. inch HD full screen · High-speed quad-core · Android 9.0 system

**i** 

**Bluetooth**

**WIFI**

**1D Code**

**Android**

**4G**

**GPS**

**Camera**

**NFC**

**PSAM**

**QR Code**

WPC-9080 is developed based on Android 9.0 operating system, adopts high-performance processor, quad-core CPU, supports dual frequency WiFi and high-speed 4G communication, high running speed and saves power.

Users can develop customized functions according to your needs, helping users quickly realize information management and improve production efficiency.

**Product parameters**

**Physical parameter**

|  |  |
| --- | --- |
| Overall size | 157（H）\*73（W）\*21.6(T)mm（Scan head 26mm） |
| Total Weight | 280g（Including battery, weight varies in different configurations） |
| Display | 4 inches, 480 \* 800 resolution, 16.7M colors |
| Touch screen | Industrial capacitive touch screen |
| Battery capacity | Polymer li-ion battery 4300mAh |
| Standby time> 300 hours |
| Working time> 12 hours（Depends on usage and network environment） |
| Charging time 3-4 hours (use the standard power adapter and data cable) |
| Expansion slot | 1 SIM card slot, 1 Micro SD (TF) card slot supports up to 128GB |
| Communication Interface | USB Type-C, Support OTG function, support Pump Express Plus fast charge |
| Audio | Microphone, handset, 1W speaker, support voice call |
| keyboard | 3 TP keys + 5 side keys + keyboard |
| Sensor | Light sensor, distance sensor, gravity sensor, vibration motor |
| Power Adapter | 100-240V，50-60Hz，0.29A；output：5V，2A |

**Performance parameter**

|  |  |
| --- | --- |
| High version | CPU: Cortex A-53 2.0 GHz Quad-core |
| RAM+ROM: 2GB+16GB |
| Extended memory | Micro SD (TF) card expandable to 128GB |

**Development environment**

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| --- | --- |
| Operating system | Android P (Android 9.0) supports GMS certification |
| Development language | Java |
| Development tools | Eclipse/Android Studio |

**Use environment**

|  |  |
| --- | --- |
| Operating temperature | -20oC to 50oC |
| Storage temperature | -40oC to 70oC |
| Environment humidity | 5%RH - 95%RH（Non-condensing） |
| Drop specifications | 1.5m cement floor |
| Rolling test | 1000 rounds of 0.5 meter rolling (equivalent to 2000 impacts) |
| Electrostatic discharge (ESD) | ± 15kV air discharge, ± 8kV direct discharge |

|  |  |
| --- | --- |
| WLAN | Support IEEE802.11 ac / a / b / g / n protocol (2.4 / 5G dual frequency), |
| WWAN | GSM：850/900/1800/1900Mhz) |
| TD-SCDMA：Band34,Band39 |
| WCDMA：Band1,Band2,Band5,Band8 |
| TDD-LTE：Band38,Band39,Band40,Band41 |
| FDD-LTE：B1/B2/B3/B4/B5/B7/17/B20 |
| Bluetooth | Bluetooth 4.1（support HS） |
| GNSS | Integrated GPS, Beidou, GLONASS, built-in antenna, support AGPS |

**Data collection**

|  |  |
| --- | --- |
| 1D scanning engine | Honeywell N4313 / UE966 / Zebra SE965 |
| Support 1D barcode type | UPC/EAN,Code128,Code39,Code93,Code11, |
| Interleaved 2 of 5, Discrete 2 of 5, Chinese 2 of 5, |
| Codabar,MSI,RSS ect. |
| 2D scanning engine | Zebra SE4710 / Autonomous 2D engine |
| Support 2D barcode type | PDF417, MicroPDF417, Composite, RSS, TLC-39, |

**NFC(Optional)**

|  |  |
| --- | --- |
| Frequency | 13.56MHz |
| Protocol standard | ISO14443A/B, NFC-IP1, NFC-IP2 ect |
| Labeling standards | M1 card (S50, S70), CPU card, NFC tag, etc. |
| Reading distance | 2-4cm |

**PSAM(Optional)**

|  |  |
| --- | --- |
| PSAM | Support ISO7816 standard, 2 PSAM cards |