

5G High Speed Experience

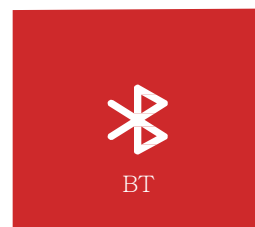


5G Extra high DTR

downstream speed up to 2.34Gbps
upstream speed up to 2.5Gbps

Strong Wireless Communication Capabilities

2.4G/5G dual frequency Wi-Fi AC & Roaming supported High transmission rate, quick connection
BT5.1 BLE, longer distance but more stable
5G/4G/3G/2G
NSA&SA Supported
Powerful WiFi and Bluetooth



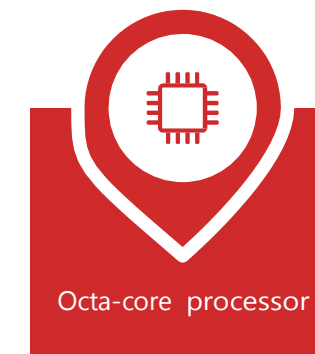
5G Strong Performance



7nm processors, show you how strong 8 core CPU is
4*ARM@Cortex-A76 Octa-core 2.0GHz
4*ARM@Cortex-A55 Octa-core 2.0GHz
4*ARM NATT MC4 GPU
LPDDR4x --- two times better than LPDDR3
UFS2.2 --- three times faster than eMMC 5.1
APU 3.0, Up to 2.4 TOPs
All products comes with Android11, for safer and fresher experience



Android 11



Octa-core processor



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Equipped Newland NLS-CM60 scan module with core technology for better performance

- 01 Soothing light
- 02 Scanning easier
- 03 Low power consumption
- 04 High reading speed

Based on self-developed sixth generation barcode scanning technology, it is able to read barcode in various conditions like folded, bent, damaged, plastic sheet covered and low contrast etc..



Universal cradle for all products in 5G series



HD Camera

With 8 million fixed-focus camera at the front and 13 million auto-focus camera at the rear, the imaging is fast and the image quality is clear.

Front camera



Rear camera



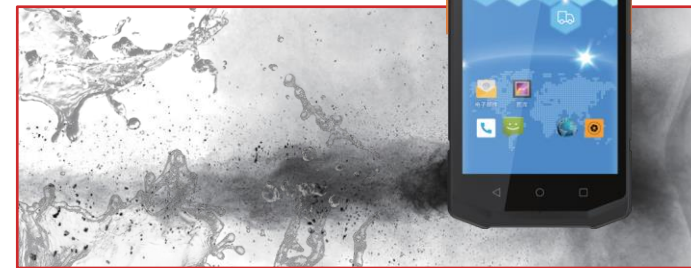
Quick SIM Card Disassembly and Assembly

The SIM card cover adopts mechanical buckle design, which is waterproof, sealed and easy to open.

IP67 protection class, waterproof and dustproof



IP67 protection class
Lightweight but stable



1.8 meter high drop test

Resist falling of 1.8m marble floor, and adapt to various bad scene

Facing extreme weather easily

Worry free use in high temperature + 55 °C ~ low temperature - 20 °C



Application scenario

Specifically for the retail industry

Store management

Warehouse management

Pioneer 5G Rugged Smart Mobile Device F50 Specification



CPU	MTK6833 Octa-core 2.0GHz
OS	Android 11
RAM	4GB
ROM	64GB
Camera	13MP AF High brightness LED flash lamp 8MP FF
screen	5 inch
Resolution	720*1280
Touch screen	5 point capacitive touch screen
size	149.8*73.8*17mm
Battery capacity	4500mAh
Charging mode	PE fast charging, full charging time<4 hours
BT	BT 5.1 (BLE)
Wi-Fi	IEEE 802.11 a/b/g/n/ac 2.4G 5G dual band supporting fast roaming
5G/4G	FDD-LTE B1/B3/B5/B7/B8 TDD-LTE B38/B39/B40/B41 TDSCDMA B34/B39 WCDMA B1/B2/B5/B8 GSM B2/B3/B5/B8 CDMA1x/CDMA2000 BC0/BC1 NR N41/N77/N78
GPS	GPS+ GLONASS
Audio	Bottom stereo speakers; Volume 95db±3db (testing distance: 10cm)
Sensor	Geomagnetism, acceleration, light perception

Interface	Nano SIM card slot *1, Micro SIM card slot*1 Micro SD card slot *1, up to 256G USB TYPE-C port Support OTG, fast charging 5V/9V 1.67A Bottom charging pins
Keyboard	5keys(include 1 power key,2 volume key, 2 short cut keys)
Notification	Sound, vibration, LED prompt
Operating temp	-20℃ to +55℃
Storage temp	-30℃ to +70℃
Humidity	5% to 95%
IP class	IP67
Drop test	1.8m free drop to concrete with 6 sides
ESD	±15kV Air Discharge, ±8kV Contact Discharge
Certification	CCC,SRRC,CTA,CE,ROHS,UN38.3.IP67 report 1.8meter drop test report, MSDS, MIL-STD-810G
NFC	Optional
Barcode scanning	Newland CM60 module AZTEC, CODABAR, CODE11, CODE128, EAN128, CODE39, CODE49, CODE93, COMPOSITE, DATAMATRIX, EAN8, EAN13, INT25, MAXICODE, MICROPDF, PDF417, POSTNET, OCR, QR, RSS, UPCA, UPCE, ISBT, BPO, CANPOST, AUSPOST, IATA25, CODABLOCK, JAPOST, PLANET, DUTCHPOST, MSI, TLC39, TRIOPTIC, CODE32, STRT25

Accessories



Single charging base

4-connected Charging base

Multiple charging bases connected in series plus RJ45 Port