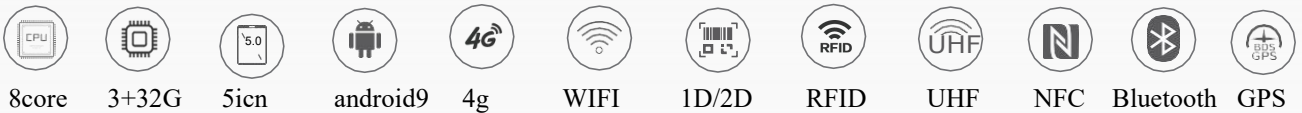# Intelligent handheld terminal

Temperature measurement
Vibration measurement
N70S

N70S intelligent temperature measurement and vibration handheld terminal

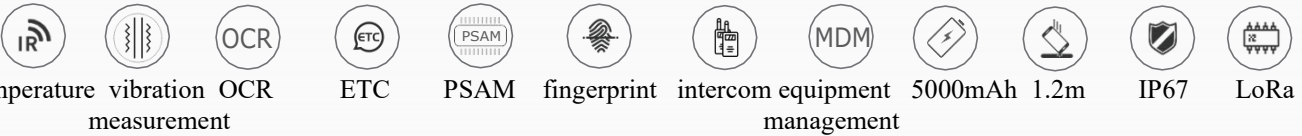| 8core	3+32G	5icn	android9	4g	WIFI	1D/2D	RFID	UHF	NFC	Bluetooth	GPS

temperature	vibration measurement	OCR	ETC	PSAM	fingerprint	intercom	equipment management	5000mAh	1.2m	IP67	LoRa

Temperature measurement and vibration integration

It can measure the vibration and temperature of the test point, and automatically prompt the standard value, and automatically record the test position, test time and test results

Long-term grip, comfortable and not tired

Ergonomic design, fit the palm, comfortable grip, long time use is not easy to tired, custom keys are easy to operate

Bad environment, calm coping

IP67High protection grade, dust-proof and waterproof,1.2Rice drop resistance, comprehensive protection is more durable and adaptable-20℃-60℃ Working temperature, harsh conditions without fear

Large power PE fast charge battery life without worry

5000Large capacity mAh battery, long-term battery life, all day free support optional fast charge,2.5It's full in hours

Petrochemical industry   Tobacco industry   Metal smelting industry   power supply industry   Fertilizer industry

Physical parameters

size	171(H)*81(W)*24.4(T) mm (strip pier place26.6mm)
weight	350G (including battery, different configurations)
display screen	510-inch IPS color display, resolution720*1280
Touch the mode screen	Multi-touch support; the screen is available with water or gloves
be in a poor light	LED be in a poor light
cell	Removable polymer lithium-ion battery, capacity:5000mAh；3.7V Normal time: greater than12Hours, standby time:1000hour
card slot	Standard SIM card x1, Micro SIM card x1, TF block ×1
communication interface	Type-C USB x1, Support the OTG function
network connections	4G/3G/2G,Wi-Fi,GPRS
Notification method	Tip tone; multi-color LED; vibration
Virtual keys	Back,Home,Menu
audio frequency	Microphone, speakers, and handset
key	Power key, Volume + / -key, scan key *3, Custom button *4
earphone	not have
Power adapter	charging interval3-4Hour, use the standard power adapter and data cable to support optional fast charging, fast charging2.5hour

Data collection

Scan engine	CM60/E20/SE4710/6603/5703(Selected on demand)
1 D barcode type	UPC/EAN,Bookland EAN,UCC Coupon Code,ISSN EAN, Code128,GS1-128,ISBT128,
	Code39,Trioptic Code39, Code32, Code93,
	Code11, Interleaved2of5,Discrete2of
	5,Codabar,MSI,Chinese2of5,Korean3of5,Matrix2of5,Inverse1D, GS1DataBar, Com-posite Codes et al
Support for the 2 D barcode type	PDF417, MicroPDF417, Data Matrix, Data Matrix Inverse, Maxicode, QR Code,MicroQR,QR inverse,Aztec,Aztec Inverse, Postal Codes: US Postnet, US Planet,UK Postal, Australian Postal, Japan Postal, Netherlands KIX Code,USPS4CB / One / Intelligent Mail, UPS FICS Pstal et al
camera	Front camera:500Ten thousand pixels Rear camera:1300Ten thousand pixels
	Support for autofocus, flash, anti-shake, macro shooting, Invisible code identification (optional)

Usage environment

working temperature	-40℃ to60℃
Storage temperature	-40℃ to70℃
humidity	5% to95% (No condensation)
Drop specifications	Within the operating temperature range,6The face can bear1.2Metre height30The impact of falling to the concrete floor
Rolling specifications	Rolling continuously1000wheel0.5m,6The contact surface is still running stably after rolling
vibrate	stochastic (10Hz to30KHz); per axis60minute,3axle
electrostatic protection	+/-15kv air discharge; +/-8kv contact electricity
levels of protection	IP67Meet the IEC sealing standards

Performance parameter

CPU	Eight core2.0GHz
operating system	Android9.0(Alternative Android12.0)
internal storage	3GB RAM+32GB ROM (optional4+64G)

Wireless communication

WWAN	2G：GSM（850/900/1800/1900MHz）
	3G：WCDMA（850/900/1900/2100MHz）
	4G：FDD:B1/B3/B4/B7/B8/B12/B20TDD:B38/B39/B40/B41
WIFI	WIFI frequency:2.4GHz &5GHz WIFI Agreement:802.11A / b / g / n / ac protocol
GPS	Beidou, Glonass, GPS, Galileo
PDA	Support Bluetooth2.1+EDR/3.0+HS/4.1+HS+5.1
	transmission distance5-10rice
LoRa	apolegamy
ZigBee	apolegamy
spectrum analysis	apolegamy

Internet of Things function

NFC(apolegamy)	Working frequency band:13.56MHz
	Supporting protocol: MifareClassic (MF1)NDEF, NfcV(15693),Ultraligh(MF0), IsoDep (quasi-CPU MF3),IsoDep(CPU)
	Read distance:0-5cm (depending on card type)
LF RFID (Optional option)	125K/134.2K read-write
UHF RFID (Optional option)	0.5-15M (depending on label, environment, module)
safe PSAM	support ISO7816Standard, support2Zhang PSAM card
sensor	Gravity sensor, light sensor, distance sensor, vibration motor

thermometric	Infrared temperature measurement20：1 (-40℃-360℃)
Measurement of vibration	Speed, acceleration, and displacement
	accelerated speed:0.1-199.9m/ S2
	velocity:0.1-199.9mm/s
	displacement:0.001-1999μm

Development environment

operating system	Android P (Android9.0) Support for GMS certification
SDK	Bird bird technology terminal software development kit
development language	Java/H5
development tool	Eclipse/Android Studio

Other

attestation	CCC/MSDS/IP-67/GMS/CE/ROHS/ISO9001
Standard accessories	Adapter, data cable, protective film