CRUISE2 Grip Tsled

Industrial UHF RFID Mobile Terminal

CRUISE2 Grip Tsled is an economical and highly cost-effective, detachable 5G remote mobile handheld terminal. The 5G performance has improved by 10% compared to similar devices in weak signal conditions. Smooth connections can still be maintained in weak signal areas such as tunnels, subways, mines, factories, and elevators. The Impinj E710 engine combined with our own anti-collision algorithm offers outstanding RFID reading capabilities. It allows for direct configuration of scenario-specific parameters, enabling one-click realization of the optimal recognition performance in complex scenarios.



Product Features

6.0-inch narrow bezel

It strikes a balance between portability and user experience, avoiding the cramped operation of small screens while also not being as cumbersome as devices with a screen size of 7 inches or larger. It's particularly suitable for scenarios such as warehouse inventory checking and field office work.

Balanced weight with ultra rugged

Just 668g weight, and it's balanced design makes it not flip over head when holding in your hand, it's humanize design.This device withstand 1.5m drops to six corners 40 times it's IP67 protection.

Dual battery, support long shift work

Equipped with 5000mAh main unit battery and 3350mAh handle battery, support continuous scanning at max power for more than 5 hours, and it also supports the replacement of the handle battery with a capacity of 6700mAh.

Specifications

Physical Characteristics	
Dimensions	7.4 in. L x 3.6 in. W x 5.4 in. T 189(H)*91(W)*138(T) mm
Weight	23.6 oz./668 g with battery
Display	6" display with capacitive touch,1440(H)×720(W)
Power	8350 mAh (Main unit 5000mAH + Handle 3350mAh replaceable),the handle can also be equipped with a 6700 mAh battery. Bottom Type C USB port, support QC3.0 fast charging, intelligent recognition of PC and charger;
SIM Card Slot	SIM（Nano-sim*2）Dual SIM dual standby,supporting 5G
Expansion Slot	Micro SD Card, compatible up to 256GB
Interface/Communication	Waterproof Type C USB interface, support USB2.0 HighSpeed, support OTG.
Notifications	Sound, vibration, LED indicator light
Buttons	Power + Volume (+, -) + UHF + SCAN + Custom
Voice and Audio	Built-in single speaker, built-in dual microphones
Performance Characteristics	
CPU	Eight-core 2.4 GHz
Operating System	Android 14
Memory	4GB RAM/64 GB Flash memory (optional 8GB+128GB)
User Environment	
Operating Temp.	-4℉ /-20°C to +131℉ /+55°C
Storage Temp.	-40℉ /-40°C to +158℉ /+70°C（no battery）
Humidity	5% to 95%, non-condensing
Drop Spec.	Multiple drops from 4.9 ft./1.5 m
Sealing	IP67
Electrostatic Discharge (ESD)	±15kV Air discharge, ±8kV direct discharge
Sensor	G-sensor, light sensor, distance sensor, electronic compass, gyroscope
Data Capture	
Scanning	
Scan Engine	Middle range 2D imager scan engine
Camera	
Front camera	Fixed focus. 5MP
Rear camera	Auto-focus, 13 MP, Support double flashlights, PDAF phase focusing
RFID Read/Write(UHF)- Standard Configuration	
Read-write tag	Conforms to ISO-18000-6C/EPCC1G2
Antenna Parameter	5dBi circular polarization, default 902-928MHz

Frequency	860-930 MHz (customized according to country's regional regulations), default 920-925 MHz
Operation Mode	Operates as a frequency hopping spread spectrum (FHSS) or fixed frequency transmission mode
Output power	1~33dBm
Reading distance	≥9m @9662 white card (practical distance subject to label and environment)
Writing distance	0-6m@9662 white card (practical distance subject to label and environment)
Group reading speed	Achieve 1300 frames/sec @impinj H47 (practical distance subject to label and environment)
Reading rate	12 ms per separate character (32bits) on average
Writing rate	60 ms per separate character (32bits) on average
Power consumption	less than 10W (average)
GPS Location information collection	
Positioning system	GPS+GLONASS+Beidou, support AGPS
Frequency	GPS: L1; Beidou: B1; GLONASS: L1
Accuracy	5-10meter
Wireless Connectivity	
WLAN	
Protocol	IEEE 802.11ac/a/b/g/n/d/e/h/i/j/k/r/v/w（2.4G/5G dual-band WIFI）
Frequency Range	Depending on the country (region),2.4GHz is 2.412GHz-2.472GHz; 5GHz is 5.180GHz-5.825GHz
WWAN	
	GSM：Qual Band(850/900/1800/1900Mhz) WCDMA Band1、Band2、Band5、Band8 CDMA 1x /EVDO:BC0 TD-SCDMA:B34、B39 TDD-LTE：Band34，Band38，Band39，Band40，Band41 FDD-LTE：Band1，Band3，Band 5，Band7，Band 8，Band20，Band28 5G：N1、N3、N8、N28、N41、N78、N79；support VONR；Support SA/NSA dual mode (Sub6G)
Accessories	
Standard	Power adapter×1, Type C data communication cable×1,SIM card removal tool *1
THIRD PARTY APPLICATION SUPPORT	
System Software	Android 14.0
System programming environment	Android Studio