Z-582 Pro

6” Industrial Mobile PDA



Communication Performance

- 4G LTE, Globalband.
- 802.1 1ac/b/g/n enterprise level WIFI.
- Bluetooth 5.0, low power, long distance perfect matching wireless printer.

Scanning Preformance

- New generation slim 2D imager scan engine.
- Support megapixel versions.
- Licensed Datalogic decoding technology.

Industrial Protection

- IP65, MIL-STD-810G industrial protection.
- Optimized structure for batery to ensure slim form factor.

Unique Characteristics

- Octa Core processor, long life cycle.
- Supports Android 14 upgrades.
- Large battery capacity but refined power consumption, 3 hours charging time but 15 hours working duration, 25 days standby duration.
- Free to install APPLOCK, Easy Deploy and other system managment software for efficiet managment and deployment.
- Accurate Reading Ability, only decode barcode label that’s close to the center of the aiming pattern, even when labels are crowded.







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Performance Parameters

TECHNICAL SPECIFICATIONS

OS	Android 14
CPU	MTK: Octa Core 2GH - Octa Core 2.8GHz
MEMORY	LPDDR4X, 4GB/8GB, UFS, 64GB/128GB

PHISICAL SPECIFICATIONS

Weight	280g(With battery)
Dimension	170*78*15mm
Keypad	Left/Right scan key, Volume +/-, Power, Self define(K1)

MAIN PARAMETERS

Display	6" High Brightness IPS; HD; 600 dpi
TP	Incell, Glove, Wet
TP GLASS	Panda, 1.1mm
Extend Slot	SIM:dual-SIM dual standby; SD:TF, 256GB max
Rear Camera	AF, 13M, Flash
Front Camera	Option, 5M, FF
Thermal Camera	Qualcomm Option (industrial infrared thermal imaging + night vision + temperature measurement module, support dual light fusion algorithm)

POWER AND CHARGING

USB	USB 2.0 with USB cover at side.
IO on Bottom	2 charging pads
IO on Back	Qualcomm Option, 9PIN
Adapter	5V 2.4A 12W
Charging	0-90%<3h



Operation	15 hours
Battery life	500 cycle> 80%

SENSORS

Acceleration	Yes
Distance	Yes
Sensitivity	Yes
Hall	Yes
Air pressure	Yes
Gyroscope	Yes
Geomagnet	Yes



VOICE

Speaker	100db
Receiver	Option
MIC	Dual MIC

ENVIROMENT

IP	IP65, MIL-STD-810G (with rigged cover+Kit)
Drop	1.5m stell, 30 drops; 1.8m with rubber boot, stell, 60 drops
Tumble	1.5m stell, 30 drops; 1.8m with rubber boot, stell, 60 drops
Storage Temp	-30C° to 70C°
Operation Temp	-25°C ~ +55°C
Operation Humidity	5%-95% non-condensing
Charging Temp	0°C-35°C
ESD	8K/15K



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DATA COLLECTION

Engine	Datalogic Engine Dual; 2D and 1D
Temperature Measurement	Yes
Green Spot	Yes

WIRELESS

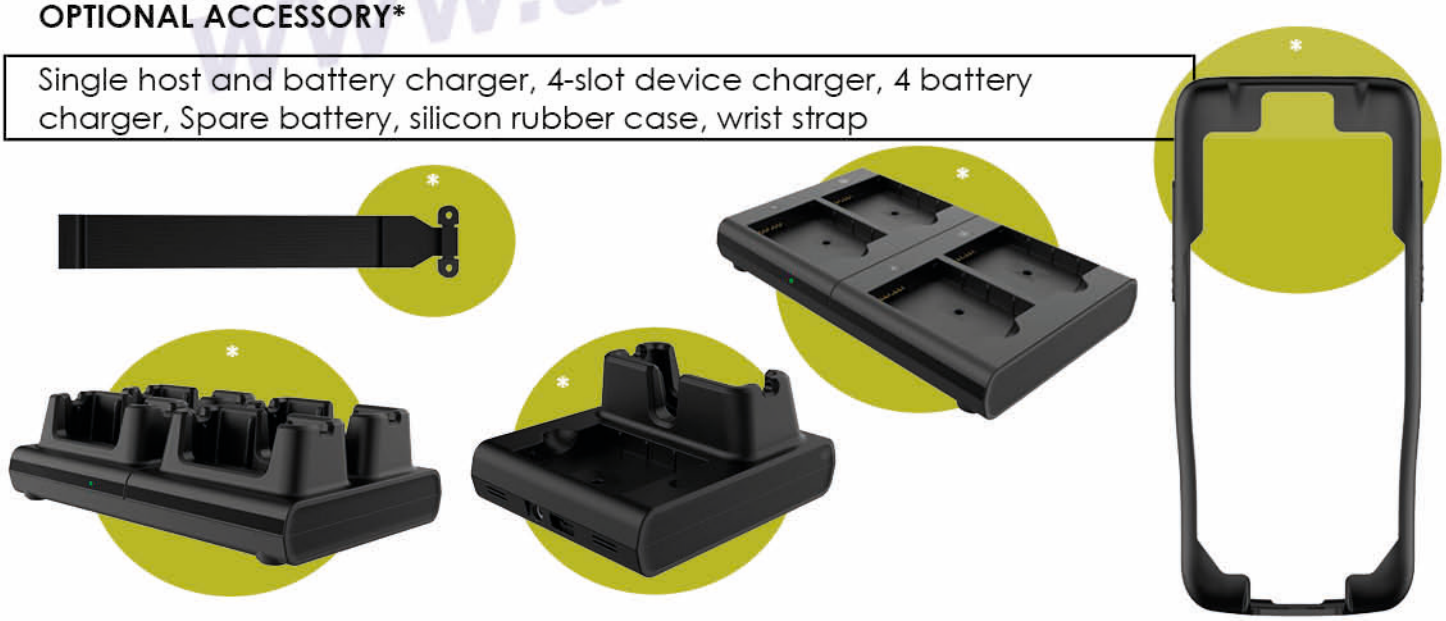
Bluetooth	BLE V5.2
WLAN	MTK802.11.a/b/g/n/ac, 5G FEM, Qualcomm Wi-Fi 6-ready, 802.11.a/b/g/n/ac/ax, 5G FEM
GPS	GPS/Glonass/Galileo/Beidou,Assisted GPS
Speaker	100db
NFC	NFC IC, On TOP
WWAN	GSM: B5, B3, B8, B2, UMTS: B1/B2/B5/B8, FDD_LTE, B1/2/3/5/7/8/20/28, TDD_LTE,B34/B38/39/40/41 CDMA BC0 (Some frequency bands are configured differently in different countries)
VOLTE	Yes
CA	LTE CAT6, CA B1/3/7/40/41, Downlink 300Mbps

GIFT BOX

Device, QSG, Adapter, USB cable, Battery

OPTIONAL ACCESSORY*

Single host and battery charger, 4-slot device charger, 4 battery charger, Spare battery, silicon rubber case, wrist strap



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