Introduction of DT50 series – DT50X

Jun 2022

Why DT50X series

- Maintain great cost-balanced ration and OS migration path

- Compatible with all existing accessories from DT50 series

- Need newest OS release, Android 11/GMS

- Optional different imager types

DT50X highlights

UROVO

- Octa-core, 2.0GHz

- Android 11, compatible through Android 13

- 5.7" HD touch screen, clear visibility and readability

- Support different imagers for intensive and moderate reading performance

- Fully compatible with all existing accessories of DT50 series

- NFC antenna is located above battery cover. Ideal for soft-POS application

- IP67 & 1.5m drop resistance, a rugged enterprise class device

- New designed gun-grip allowing camera usable together

- Remove Audio-jack

- Single rear camera and front camera

- No finger-print reader

- Empowered by Urovo Enterprise Enabler, helps device useability and seamless APP adaptation

DOF overview

	2030	HS7	SE4710
13mil UPC (100%)	4~32cm	4.6 ~57.5	4.6 ~66
10mil DataMatrix	6 ~16cm	7.2 ~22.5	7.4 ~25.7
100mil Code39	N/A	N/A	N/A

SE4710 is a product of Zebra for comparison only.
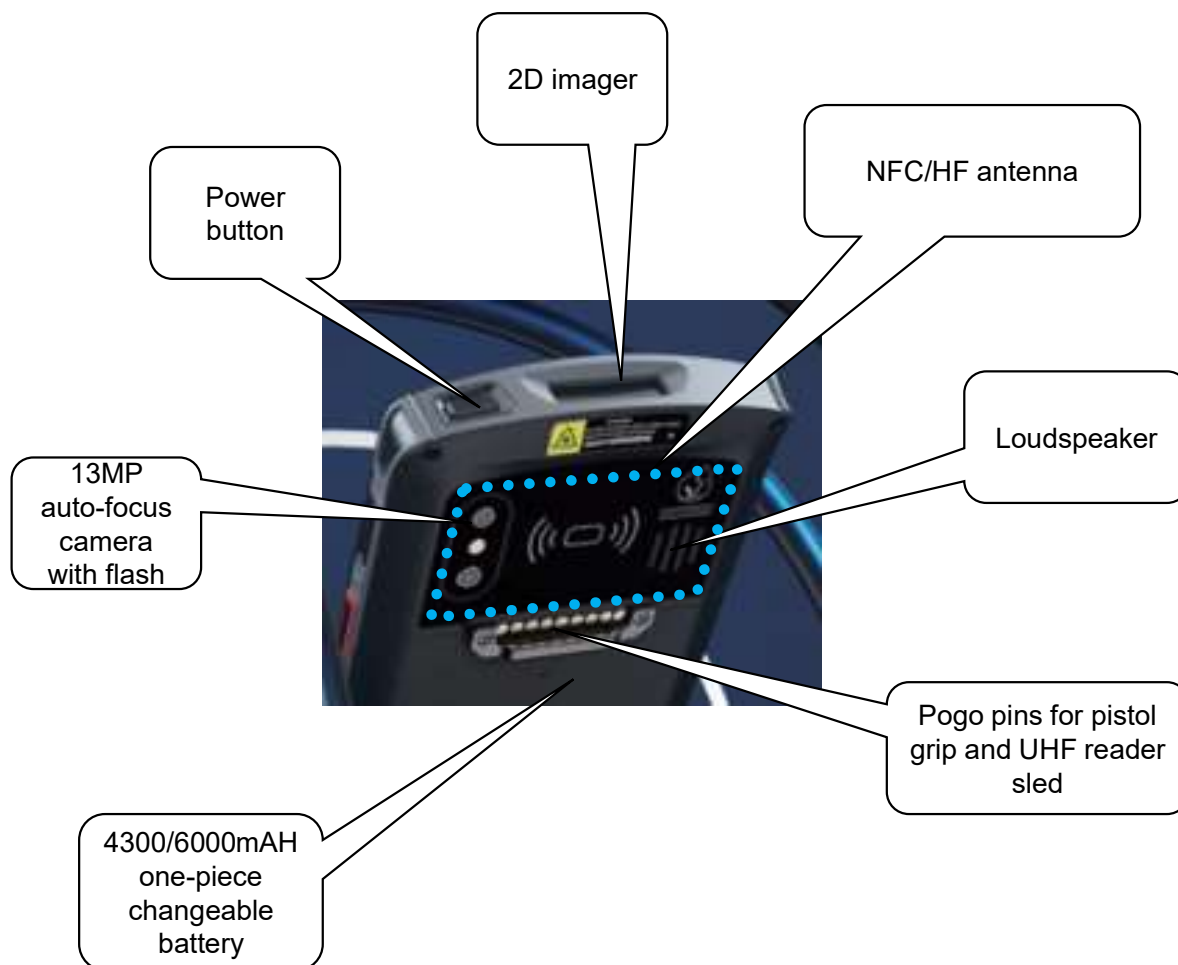DT50X supports 3 configs, including no scanner, 2030 or HS7

Overview

UROVO

LED for charging indication

5MP Front camera

Volume key +/-

PPT/custom button

Left scan key

Right scan key

5.7" 720 x1280 LCD with 1.1mm Gorilla 3 glass touch screen

Android 11 (GMS)

4/64GB or 6/128GB (optional)

15:07 PM

08:11

4月10日 周五

文件管理   图库   U-Setting   硬件管家

测试Demo   Scanweage   诊断工具   电池管理

Overview

2D imager

NFC/HF antenna

Power button

Loudspeaker

13MP auto-focus camera with flash

Pogo pins for pistol grip and UHF reader sled

4300/6000mAH one-piece changeable battery

DT50 optional accessories

PN: RFDT50-1/2
UHF sled for DT50/Q/X/S

PN: 3.01.272.40001
Protective cover for DT50/Q/X/S

PN: HBCDT50B-1/2
Cradle for DT50/Q/X/S

PN: HBCDT50P-1/2
Cradle for DT50U

PN: HBCRFDT50-1/2
Cradle for RFDT50 and terminal

PN: RFDT50-1/2
Screen protector for
DT50/Q/X/S/U/H/D

PN: 3.01.272.10002
Holster for DT50/Q/X/S/H/D

PN: 3.01.51.00088
Hand strap for DT50/Q/X/S/H

PN: TBD
Armband holster for DT50/Q/X/S/H

DT50 optional accessories

uROVO

PN: 4BCDT50-1/2
4-slot battery charging cradle
(for 4300mAH battery only)

PN: 5BCDT5001-1/2
5-slot terminal charging cradle
(compatible with DT50/Q/X/S/D/H and TR50)

PN: TR50
Trigger pistol grip for DT50/Q/X/S
(terminal not included)

PN: 5BCDT5002-1/2
4-slot terminal and 4-slot battery charging cradle
(compatible with DT50/Q/X/S/D/H, TR50 and 4300mah
battery)

PN: Various
Active vehicle cradle
(compatible with DT50/Q/X/S)

Software – Urovo Enterprise Enabler (UEE)
we understand a good product is more than just a hardware

UROVO

	Tools	Description
U E E	Scanner SDK	Intend based, one for all models, for different engines. Making SI's life easy
	RFID SDK	One SDK for all RFID models
	WiFiDiagnose	Optimize WiFi performance to meet different customer's environment
	E-Launcher	Customize the device by allowing selected APPs and configuration to meet the policy of each enterprise
	U-stage	Allowing an easy staging of customized parameters from a master device to other devices by NFC bumping, or via UMS
	U-talking	An Urovo Intercom platform for peer2peer communication. Additional license fee needed
	U-home	UMS is an Urovo own-developed MDM. Helps customers to manage the installed devices during the entire life time. It is a free tool for Urovo partners to win the business more business and a tool to help end users to minimize the TCO with Urovo solution
	ScanWedge	Configure and bridge the built-in scanner to cooperate with host APP easily and seamlessly
	RFIDWedge	An RFID-UHF tool to read/write/kill, and search RFID tags. Helps customers to optimize the reading performance without writing a code
	Certified by 3rd party solutions	SOTI, Airwatch, iVanti, Bartender, SafeUEM, Google ZTE, Google GMS and/or AER, Teamviewer and more to come

SKUs

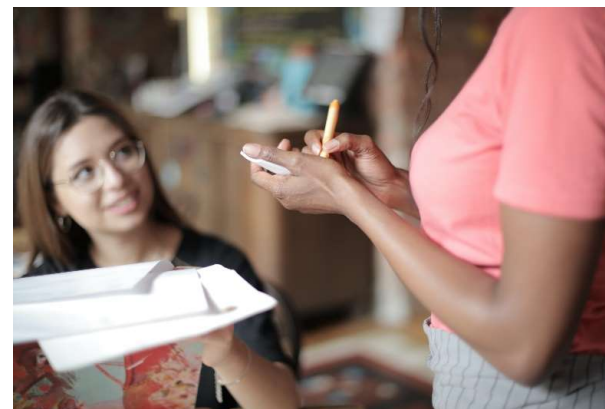| DT50X	Touch-terminal	DT50-QTGJ4WNSEX0	DT50X,HS7,5,7",A11,4/64,WiFi,4G,4300mAH,cable, PSU(EU),HS	MTK 6762 Octa-core 2.0GHz, Android 11 OS, 5.7 Inch Display, RAM：4GB ROM：64GB, 4300mAh Battery Camera: Front 5MP, Rear 13MP 1D/2D Barcode Scanner, NFC Wifi: 2.4GHz/5GHz, BT: BT5.0 IP67, 1.5m drop proof Standard Accessories: Power Adapter*1, USB Cable*1, handstrap*1
		DT50-1TGJ4WNSEX0	DT50X,2030,5,7",A11,4/64,WiFi,4G,4300mAH,cable ,PSU(EU),HS	
		DT50-XTGJ4WNSEX0	DT50X,No2D,5,7",A11,4/64,WiFi,4G,4300mAH,cabl e,PSU(EU),HS	

Target applications

UГOVO

Pickup and Delivery

Retail inventory and price check

Event management

Hospitality/Order taking/Soft-POS

DT50(X) Battle card

DT50(X) vs	Attack	Avoid
TC21/26	Small screen by 5" only Standard battery is 3300mAH only (DT50X has 4300mAH) Extended battery is 5260mAH only (DT50X has 6000mAH) 1.2M drop resistance only Very low margin for reseller	In case of discussion of ease of changing battery. We suggest you offer DT20 which has same one-piece battery design or offer 6000mAH to eliminate the need of changing battery regularly.
EDA52	A smaller screen by 5.5" Display Heavier @ 260gram (DT50X is 250gram only) Limited accessory and it is not compatible with EDA51 accessories NFC is on the battery cover	Cannot think of any
PM30	Small screen by 4.7" only Non-removable battery and @ 3250mAH only Rear camera is 8MP only Price is not low enough to help reseller to fight against TC21/26 and with good margin	In case of CPU is a critical need of customer, please offer DT50S which has 2.45GHz CPU

DT50(X) Battle card

UROVO

DT50(X) vs	Attack	Avoid
Memor10	Android 8.1.0 at delivery Less memory 3GB/32GB Heavier 285g> 265gm 5" LCD only 1.2m without boot, 1.5m with boot No support of VoLTE Standard battery 4100mAH only No front camera	They will push wireless charging. The issue of wireless charging rests at two aspects. 1) Slow; 2) Heat. Apple has stopped supporting Wireless charging for similar reasons.
SL20	Smaller screen by 5,45" only Standard battery is 3000mAH only The CPU is slow at power save mode at 1.7GHz only. IP65 only Limited accessory NFC is on the battery cover	Avoid discussing on CPU top speed. It is good on spec by 2.3GHz. But actual performance is slower
PM75	Smaller screen by 5.45" Display Less Memory : 3GB/32GB as a standard Smaller battery capacity : 2.900mAh Only IP65 Low resolution of rear camera at 8MP only No front camera NFC is on the battery cover	Although it is weighted by 246g and lighter than DT50X of 265g. It comes with 2900mah battery only while DT50X comes with 4300mah. It is not at the same scale or comparison.

DT50(X) Battle card

UROVO

DT50(X) vs	Attack	Avoid
Cipherlab RS35	Standard memory is 3/32GB only. 4/64GB needs extra cost Smaller screen by 5.5" only No extended battery No option of UHF-RFID sled No multi-slot cradle for terminals No multi-slot cradle for Ethernet communication No Multi-slot of terminal and battery in one.	In case of discussion of ease of changing battery. We suggest you offer DT20 which has same one-piece battery design or offer 6000mAH to eliminate the need of changing battery regularly.
Chainway C66	IP65 sealed only 5.5" display only No memory option for 6GB/128GB No front camera No Ethernet cradle No optional extended battery No optional FHD display Limited software support	Cannot think of any
Unitech EA520	Small screen size by 5" only The standard battery is 4100mAh only. No optional larger capacity battery No multi-slot cradles as option No single slot cradle with communication No UHF solution NFC is on the battery cover	Although the product is very aggressive on price. It is pushed through wholesaler to the market. It gives low margin to resellers.

DT50(X) Battle card

UROVO

DT50(X) vs	Attack	Avoid
Sunmi L2H	There are two different OS, Sunmi OS without GMS and Android 11 Smaller screen, 5.5" LCD No optional battery for larger capacity > 5000mAH No multi-slot terminal charging cradle available NFC is on the back of battery cover Unclear about actual SDK, staging, kiosk, elaunch and so on. They register your data without your consent	
Sunmi L2S	Available in Sunmi OS, without GMS, no upgrade option CPU is slower at 1.8GHz only Limited memory sizes at 3+32GB No 802.11r to support fast roaming 1.5m drop resistance only Unclear about actual SDK, staging, kiosk, elaunch and so on. No multi-slot cradle	

Summary: USP

UroVo

- Great cost-performance balanced design for budgetary customers

- Octa-core, 2.0GHz

- OS migration path, Android 11/GMS, compatible through Android 13

- Compatible with abundant existing accessories of DT50 series

- Standard battery, 4300mah and optional 6000mah battery

- IP67 & 1.5m drop resistance, a rugged enterprise class device

- Empowered by Urovo Enterprise Enabler, helps device useability and seamless APP adaptation

FAQ

UROVO

- What is the coming OS upgrade plan?
  - DT50X will be upgradeable to Android 12(GMS) in H1 2023.

- Can we continue ordering DT50Q/1.8GHz?
  - Yes, you can still order it. In case of new project, we strongly suggest you offer DT50X.

- Can we upgrade DT50Q/1.8GHz to Android 11 or higher?
  - No. There is no OS upgrade available for DT50Q.

- Can we use my purchased accessories of DT50/Q to work with DT50X?
  - Yes, you can. They are fully compatible.

- When can I order the DT50X with mid-ranger 2D imager to deliver to the projects?
  - No. Please offer DT50S except project size > 1000 units in one order or higher