

T52 MOBILE COMPUTER

Built for workflow ease and high productivity

This mobile computer integrates all business functions required for work into a device similar in size to a mobile phone. The high-performance image engine can read 1D/2D barcodes and accurately identify data without error and empower workforce productivity to new heights for workers. It maximizes productivity and minimizes workflow time thanks to the Android operating system. The 4020mAh battery capacity meets the needs for uninterrupted work and allow staff to work more freely and improve efficiency. It's enterprise-class durability can withstand multiple 1.5-meter drops to the concrete floor and guarantees reliable scanning performance even in extreme user environments. It's suitable for varied fields, including Transportation and Logistics, Warehouse Management, Retail, Manufacturing, Hospitality, etc.



Enterprise data terminal, more advanced features:

- Ergonomic design fits easily in the hand
- Rugged body material, enterprise-class sturdy and durable
- Advanced scanning engine, excellent scanning performance
- Equipped with octa-core chipset for faster and smoothly running
- IP65 professional level, waterproof, dustproof, shockproof
- Easy to slip into pocket and provide ultimate user experience

APPLICATION SCENARIOS



Retail

- Inventory management
- Sorting and put away
- Replenishment
- Price management



Hospitality

- Inventory management
- Replenishment
- Sortation



Warehouse Management

- Sorting and Picking
- Fulfillment Management



Transportation and Logistic

- Receiving
- Packing
- Sortation
- Shipping
- Picking



Manufacturing

- Data collection
- Identity Management

PRODUCT SPEC SHEET

T52 MOBILE COMPUTER

PHYSICAL CHARACTERISTICS

Dimensions	154mm(L) x 71.4mm(W) x 15.5mm (D) 6.06 in. (L) x 2.81 in. (W) x 0.61 in. (D)
Weight	238g/8.40oz (include battery)
Buttons	Power, Volume Up/Down, Left/Right scan, Touch Panel Key, Back, Home, Recent
Audio	Microphone, Speaker, Receiver

PLATFORM AND FEATURES

Operating System	Android 12
CPU Model	Octa-Core, up to 2.0GHz, 12nm
LCD	5", TFT IPS, 720*1280HD
Touch Panel	GFF Full lamination, 5 points
Memory Type	3GB RAM + 32GB ROM
Extended Storage	TF CARD, up to 128GB
Primary Camera	13MP, PDAF, Flash light
Battery/Charger	Li-polymer, 4020mAh, Detachable; 5V/2A USB Charging
I/O connector	USB2.0 OTG Type-C, with Type-C headphone support
Sensors	G-sensor, Proximity Sensor, Light Sensor

NFC SPECIFICATION

Frequency	13.56MHz
NFC Reading Distance	NFC TYPE1≥40mm / TYPE2≥40mm / TYPE3≥30mm / TYPE4≥20mm
NFC Smart Tag	ISO 14443 Type A and B / FeliCa / MIFARE / ISO 15693 cards

RF SPECIFICATION

WLAN	IEEE 802.11a/b/g/n/ac 2.4G/5G
Bluetooth	BT 5.0/BLE

CERTIFICATION

CE, FCC, KC, TELEC, RoHS, ANATEL, NOM, EAC, 3C

PACKING CONTENTS

T52 ×1, USB Type-C Cable ×1, Quick User Guide ×1

PERFORMANCE CHARACTERISTICS

Optical Resolution	1280 x 1080 pixels
Sensor	2D CMOS
Field of view	40° horizontal x 34° vertical
Illumination Element	White LED
Aiming Element	Red LED dot
Supported Symbolologies	1D: UPC, EAN, Code128, Code 39, Code 93, Code11, Matrix 2 of 5, Interleaved 2 of 5, Codabar, MSI Plessey, GS1 DataBar, China Postal, Korean Postal, etc. 2D: PDF417, MicroPDF417, Data Matrix, Maxicode, QR Code, MicroQR, Aztec, Hanxin, etc.

USER ENVIRONMENT

Operating Temperature	-14.8°F ~ 131°F / -26°C ~ 55°C
Storage Temperature	-22°F ~ 158°F / -30°C ~ 70°C
Humidity	10% ~ 90%
Drop Spec.	Multiple 4.9 ft./1.5 m drops to concrete over the operating temperature range.
Tumble Spec.	300 1.6 ft./0.5 m tumbles
IP Level	IP 65
ESD	±8KV contact, ±15KV air

DECODE RANGES

3.13 mil Code 39	75mm - 105mm / 2.9in. - 4.1in.
5.13 mil Code 39	55mm - 165mm / 2.1in. - 6.4in.
6.88 mil PDF417	40mm - 210mm / 1.5in. - 8.2in.
10 mil Data Matrix	40mm - 210mm / 1.5in. - 8.2in.
13 mil UPC-A	80mm - 350mm / 3.1in. - 13.7in.
20 mil QR	45mm - 350mm / 1.7in. - 13.7in.

SOFTWARE SUPPORT

Generalscan Keyboard Pro

Generalscan SDK Demo

Generalscan OTA Tools

Generalscan iCode

G-Service

GENERALSCAN

Generalscan Inc.

20 Kulick Road Fairfield,
New Jersey, 07004, USA
+1 888 633 7931
sales@generalscan.cloud

Generalscan Electronics GmbH

Hochstraße 42, 52525
Heinsberg Germany
+49 1516 7161256

Generalscan LLC

Ave. Revolucion 545,
San Pedro de Los Pinos,
Benito Juarez
03800 CDMX, Mexico
+52 5552727861

GENERALSCAN ELEKTRONIK VE TEKNOLOJİ SAN. VE TİC. LTD. ŞTİ.

FSM Mah. Siir Sk. Relux Plaza No 10,
Ümraniye 34764,
İstanbul, Turkey
+90 546 100 17 77