

Technical specifications

J-COM

Model Name	FG50
OS	Android 11
CPU	Octa-core 2.2GHz
RAM+ROM	4GB+64GB
Battery	Built-in 4500mAh lithium-ion polymer battery(4500mAh, 3.85V); Continuous use: over 12 hours (depending on user environment); Charging time:3 hours (charge device by standard adaptor and USB cable)
Certificate	CE、 ROHS、 UN38.3、 GMS、 MIL-STD-810G
Display	5.0-inch IPS 720*1280
Touch Panel	5-point capacitive touch screen,Multi-touch panel, gloves and wet hands supported
Front Camera	8MP FF
Rear Camera	13MP AF with Flash
Audio	MIC, Receiver, loudspeaker(2W), Support voice call
Sensor	Proximity sensor, light sensor, accelerometer sensor
Indicator LED	Power, charging, status indicator
Vibrator	Support
Card slot	1 slot for Micro SIM Card;1 slot for Mini SIM Card;1 slot for Micro SD Card
Interfaces	USB Type-C, USB 2.0, OTG
Dimensions	149.8 x 73.8 x 17mm/5.90 x 2.90 x 0.67in
Weight	252g/8.89oz
Expansion	Supports up to 256 GB Micro SD card
Keypad	Power, 2 scan keys, volume +/-
SDK	SPEEDATA Software Development Kit
Language	Java
Tool	Android Studio
Operating Temp.	-4°F to 131°F/-20°C to 55°C
Storage Temp.	-22°F to 158°F / -30°C to 70°C
Humidity	5% RH - 95% RH non condensing
Drop Specification	1.8m free drops to concrete
Tumble Specification	1000 x 0.5 m rolls
Sealing	IP67
ESD	±15 KV air discharge, ±8 KV conductive discharge
WWAN	FDD-LTE:B1/B3/B5/B7/B8/B28A; TDD-LTE:B34/B38/B39/B40/B41; WCDMA:B1/B2/B5/B8; GSM:B2/B3/B5/B8; CDMA:BC0; 5G-NR:N1/N3/N28A/N41/N77/N78/N79
WLAN	IEEE 802.11 a/b/g/n/ac 2.4G 5G dual frequency(Wi-Fi 5); Fast roaming: PMKID caching, 802.11r, OKC
Bluetooth	BT5.1BLE
GNSS	GPS/AGPS, GLONASS, BeiDou
Frequency	13.56MHz
Protocol	ISO14443A/B, 15693, MIFARE 1K/4K
Range	0~5cm depends on different tags
2D barcode Scanner	Newland CM60
1D Symbologies	EAN13, EAN8, UPCA, UPCE, Code 128, Code 39, Codabar, UCC/EAN128, RSS, ITF, ITF14, ITF6, ISSN, ISBN, Standard 25, Matrix 25,Industrial 25, Plessey, MSI Plessey, Code 11, Code 93, etc.
2D Symbologies	PDF417, Micro PDF417 , QR Code, Micro QR , DataMatrix, AZTEC, Han Xin,Maxicode, Composite, etc.
Other	Australia Post, China Post, Japanese Post, KIX Code, USPS Planet/Postnet/Intelligent Maill,OCR-A, OCR-B, etc.