



Compact MDE scanner with buttons and touchscreen



Lightweight with physical keyboard and 4-inch touch display

Only 265 g light, ideal for long shifts - with a non-slip keyboard for precise input.



Reliable 2D scanner with GS1 Digital Link support

Captures 1D and 2D codes quickly and reliably, even poorly printed barcodes.



13-megapixel camera for documentation and quality assurance

For photos of damage, labels or delivery documents - can be used directly in the work process.



Optionally with WLAN and LTE for mobile data usage

WLAN-only or with 4G LTE (data only) - flexible use in the warehouse or in the field.



Cost-efficient at full power

Affordable entry into Android data capture - without compromising on scan quality or robustness.

Features

Readable codes: 1D, 2D, Digimarc, GS1 Digital Link-ready

Reading range: up to 90 cm

Display: 4-inch capacitive touchscreen

Operating system: Android 13, can be updated to Android 15

Processor: 2 GHz Octa-core

Memory: 4 GB RAM, 64 GB Flash

Feedback: LED, sound and vibration

Keyboard: 27 keys, alphanumeric, illuminated

Communication: Wi-Fi 5, LTE (data only, optional), Bluetooth 5.0, USB-C, NFC

Additional features: 13 MP rear camera, GPS, various sensors

Battery: 4850 mAh, hot-swappable

Protection: IP64, impact-resistant up to 1.5 m

Operating temperature: -20 to 50 °C

Dimensions (W x L x H): 166 x 69 x 17 mm

Weight: 265 g

Optional accessories

Docking Station

4-way battery charger

Belt holster

Ruber Boot

Hand straps

WIRELESS COMMUNICATIONS

Local Area Network (WLAN)	IEEE 802.11 ac/a/b/g/n/r/d/e/i/k/v/w; Frequency range: Country dependent, typically 2.4 GHz and 5 GHz bands
Personal Area Network (WPAN)	Bluetooth wireless technology v5 (Classic Bluetooth wireless technology and BLE)
NFC Communication	Support for the following standards: ISO14443-4 (type-A, type-B); ISO15693; Mifare; Felica
WWAN / Cellular	Memor K25 only: EMEA and ROW Configuration: LTE-Advanced / 4G+, UMTS/HSPA+, GSM/GPRS: data-only GSM: B5, B3, B8 UMTS: B1/B5/B8 FDD_LTE:B1//3/7/8/5/20/28/ TDD_LTE:B34/B38/39/40/41(100M)
Global Positioning System (GPS)	Memor K25 only: Integrated Assisted-GPS (A-GPS) Supported Types: GPS, Galileo, BeiDou, GLONASS

DECODING CAPABILITY

1D / Linear Codes	Auto discriminates all standard 1D codes including GS1 DataBar™ linear codes
2D Codes	Aztec Code, Data Matrix, HanXin Code, MaxiCode, MicroQR Code, QR Code, EAN/JAN Composites, UPC A/E Composites
Digital Watermarking	Digimarc Barcodes
Postal Codes	Australian Post, Japan Post, British Post; China Post; IMB, Korea Post, KIX Code, PLANET, POSTNET, Royal Mail Code (RM4SCC)
Stacked Codes	Micro-PDF417, MacroPDF, PDF417, GS1 DataBar Composites, GS1 DataBar Expanded Stacked, GS1 DataBar Stacked, GS1 DataBar Stacked Omnidirectional

ELECTRICAL

Battery	Removable battery pack 4850 mAh with rechargeable Lithium batteries
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ENVIRONMENTAL

Drop Resistance	Withstands drops from 1.5 m / 5 ft to concrete according to MIL-STD-810H Device with rubber boot withstands drops from 1.8 m / 6 ft to concrete according to MIL-STD-810H
Tumbles	Device: exceeds 600 hits at 0.5 m (300 cycle) per IEC 60068-2-32 specification Device with rubber boot exceeds 1000 hits at 0.5 m (500 cycle) per IEC 60068-2-32 specification
Particulate and Water Sealing	IP64
Temperature	Operating: -20 a 50°C / da -4 a 122°F Storage/Transport: -30 to 70 °C / -22 to 158 °F

INTERFACES

Interfaces	USB-C: High Speed USB 2.0 OTG
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SENSORS

Accelerometer	3-Axis accelerometer to detect orientation
Gyroscope	Senses angular velocity
Magnetometer	e-Compass for direction and orientation detection
Ambient Light	Auto adjusts display backlight
Proximity	Auto deactivates display when close to face

PHYSICAL CHARACTERISTICS

Dimensions	16.6 x 6.9 x 1.7 cm / 6.5 x 2.7 x 0.67 in
Display	4-inch IPS WVGA resolution 800 x 480 LED backlight Touch Screen: 5 points multi-touch capacitive panel with Panda hardened glass
Keys	Backlight 24 keys keyboard, plus two side scan keys and one programmable side key
Weight	With Battery: 265 g / 9.4 oz

READING PERFORMANCE

Camera	Resolution: 13 MP; Illumination: LED flash; Lens: Auto focus
Scan Engine	2D Ultra slim area imager (supports 1D / 2D codes) Halogen™ DE2102-HP: Resolution: Megapixel (1280 x 800 pixels) Depth of Field: 4 to 90 cm / 1.6 to 35 in, depending on bar code density and type Aiming: 650nm VLD; Field of View: 42°H x 26°V
Minimum Element Width	Halogen™ DE2102-HP: 1D Linear: 0.0635 mm / 2.5 mils PDF: 0.0762 mm / 3 mils Data Matrix: 0.152 mm / 6 mils

SAFETY & REGULATORY

Agency Approvals	The product meets necessary safety and regulatory approvals for its intended use.
Environmental Compliance	Complies to EU RoHS

SOFTWARE

DATALOGIC MOBILITY SUITE - Discover more on: datalogic.github.io

Protection	Launcher – to lockdown device to kiosk mode, Enterprise Browser – to web-browse only to a set of approved URLs, Integrity KIT – to safeguard HW interfaces
Configuration	Scan2Deploy Studio – to configure and stage devices, OEMConfig – for UEM/EMM Compatibility, AE QR Code Enrollment – for easy EMM/UEM enrollment
Development	SDKs (Java, Kotlin, Xamarin, .NET MAUI JavaScript), Visual Formatter – a no-code platform for barcode formatting, Wedge – a configurable bar code scanning input method
Optimization	SoftSpot – a draggable touch scanner trigger, Logger – to collect advanced device events log, WiFi Guard – to collect WiFi data and statistics, Battery Manager – to select from different charging policies Snap OCR, Keyboard Remap, Key Gesture Support
Additional Features	
Provisioning	Android TM Zero Touch, Android Enterprise QR code Enrollment, NFC Bump, EMM Token Enrollment, DPC Identifier Enrollment
UEM/EMM	SOTI Mobicontrol, Ommissa Workspace One, Microsoft Intune, 42Gears SureMDM, Ivanti Neurons, and any Android Enterprise UEM/EMM (supporting OEM Config Technology)
Terminal Emulator and PTT Compatibility Highlight	Ivanti Velocity, StayLinked Smart TE

SYSTEM

SIM Slots	Memor 25K only: 1 Nano SIM
Expansion Slots	Micro-SD card slot: Compatible with Micro SD-HC cards, up to 512 GB; User-accessible
Memory	System RAM: 4 GB; eMMC Flash: 64 GB
Microprocessor	2 GHz Octa-core
Operating System	Android 13 with GMS, upgradeable to Android 15
Real-Time Clock	Time and date stamping under software control

WARRANTY

Warranty	1-Year Factory Warranty
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