MEMOR™ K20-25

DATALOGIC

The smart key-based mobile computer: where versatility meets productivity

MEMOR™ K20-25 - YOUR DAILY COMPANION WITH BEST-IN-CLASS SCAN PERFORMANCE

Datalogic's Memor K20-25 mobile computer is the perfect pocketable business companion for any data capture application, from assisted sales to the shop floor, from back-end receiving to the warehouse. It may be small in size, affordable in price, yet it provides plenty of powerful skills!

Made for those users who prefer the tactile feedback of a smart physical keypad, the Memor K20-25 mobile computer is built around the pulsing heart of Datalogic's Megapixel Halogen™ DE2102-HP scan engine. Best-in-class scanning performance is guaranteed by fully exploiting the power of Datalogic's decoding libraries.

UP-TO-SPEED PLATFORM WITH THE LATEST ANDROID OS

In the Android world, the access to the latest OS release, equipped with the latest security patches, is quite important even for the smallest businesses.

The Memor K20-25 mobile computer brings in the very latest standard for this class of products, with a 2GHz octa-core processing power, and it features Android 13 OS (GMS certified in most regions), upgradable to Android 15. Light weight and comfortable to handle, it provides increased robustness with its IP64 rating and survives drops from 1.5 m / 5 feet.

A full-time daily use up to 10 hours is fully guaranteed thanks to the high capacity 4,850 mAh battery.

CELLULAR CONNECTIVITY GETS VERY HANDY

Whether your activity is deployed inside your facility or in outdoor yards, the Memor K20-25 provides the connectivity you need: Wi-Fi only or Wi-Fi/4G cellular now available for select countries (data only, 4G not available in North America).

Memor K20

Memor K20
Wi-fi only
Standard Range (Firefly HP)

Memor K25

Memor K25
Wi-fi + 4G
Standard Range (Firefly HP)

FEATURES

- Ultra-Ergonomic, compact and robust
- 4-inch capacitive multi-touch display with Panda hardened glass
- Android 13, upgradeable A15
- 2 GHz, Octa-core CPU with 4GB RAM / 64GB Flash
- Backlit 24 key keyboard, plus two side scan keys and one programmable side key
- Replaceable 4,850 mAh Li-Polymer Battery
- Ruggedized with drop resistance to 1.5 m / 5 ft to concrete and IP64 sealing
- 4G connectivity (data-only) available for select countries
- Powerful Wi-Fi including the 802.11ac standard
- Bluetooth® v5 short range wireless technology and BLE
- NFC for proximity communications
- Rear camera with auto focus, 13MP with flash LED
- Datalogic's Megapixel Halogen™ DE2102-HP "Firefly" scan engine
- Datalogic's SoftSpot™ technology for innovative triggering through the touch display
- EASEOFCARE Service Plans offer a wide range of options to protect your investment, ensuring maximum productivity and ROI

EOC EASE OF CARE

INDUSTRY - APPLICATION

Retail:
- Inventory
- Assisted sales
- Access control
- Price checking
- Shop floor applications
- Online order fulfilment

T&L:
- Manual picking (PTG)
- Order verification
- Inventory
- Shipping/Receiving

Manufacturing:
- Production and quality control
- Inventory management
- Picking

Healthcare:
- Pharmacy - In-store operations
- Pharmacy/Hospital pharmacy - Inventory management
- Pharmacy warehouse/Hospital pharmacy warehouse - Light warehousing
- Analysis Labs – specimen traceability
- Home healthcare

MEMOR™ K20-25

TECHNICAL SPECIFICATIONS

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

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

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	Backlighted 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 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 Enrolment, NFC Bump, EMM Token Enrollment, DPC Identifier Enrollment
UEM/EMM	SOTI Mobicontrol, Omnissa 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

ACCESSORIES

Base Stations/Chargers

94A150137 Single Slot Dock
94ACC0419 4 Slot Battery Charger

Cases/Holsters

94ACC0312 Belt Holster
94ACC0418 Rubber Boot

Miscellaneous

94ACC0417 Hand-strap (5 pieces)

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