

# MOBILE COMPUTERS

## Product Group Guide



# MOBILE COMPUTERS

Datalogic's mobile computer product line offers a wide range of devices suitable for any kind of indoor or outdoor application. Ranging from full touch devices to keyboard devices, the Datalogic portfolio provides state-of-the-art technology and features such as wireless charging, the latest Android™ operating system and high performance scan engines.

Datalogic mobile computers are available in different form factors, display sizes, keyboard combinations and operating systems to meet the most advanced needs of our customers.



## RETAIL



- Inventory; Mark-downs
- Shelf replenishment
- Price verification
- Assisted sales
- Self-shopping; Queue-busting
- mPOS (mobile POS)
- Picking; Put away
- Shipping & Receiving
- Cross docking

## MANUFACTURING



- Quality control
- Inventory
- Warehousing
- Asset tracking

## TECHNOLOGIES

- 1D and 2D scanners
- Android and Windows Operating Systems
- Rugged enclosures
- High definition color displays
- Smart Charging Docks
- Multi-Core chipsets
- Automatic staging, configuration and management software tools
- Full connectivity options for indoor and outdoor



## T&L



- Picking and Receiving
- Cross docking
- Warehousing
- Inventory
- Field applications

## HEALTHCARE



- Bedside point of care
- Pharmacy
- Inventory
- Patient management
- Specimen collection

## HANDHELD COMPUTERS

	JOYA™ TOUCH A6 HEALTHCARE / RETAIL	JOYA™ TOUCH WEC7
	 <p>The Joya™ Touch A6 is a state-of-the-art Android™ based mobile computer. Available and ideal for various retail applications or various healthcare and hospital applications. Available as a handheld version or pistol grip version.</p>	 <p>The Joya™ Touch is a multi-purpose device for use throughout retail to optimize your ROI. It is designed for use in Self-Shopping, Shop Floor, Access Control and more. Available as a handheld version or pistol grip version.</p>
<b>APPLICATIONS</b>		
<i>Retail</i>	X	X
<i>Manufacturing</i>	X	-
<i>Transportation &amp; Logistics</i>	X	-
<i>Healthcare</i>	X	-
<b>FEATURES</b>		
<i>Operating System</i>	Google Android 7.1 (Nougat)	Windows Embedded Compact 7
<i>CPU, Processor</i>	Qualcomm Snapdragon Quadcore 1 GHz	XScale™ PXA310 @ 806 MHz
<i>Memory: RAM / ROM</i>	RAM: 2 GB; Flash: 16 GB Flash	Basic: RAM: 512 MB; Flash: 512 MB Plus: RAM: 512 MB; Flash: 1 GB
<i>Display</i>	TFT-LDC color display; FWVGA 854 x 480 px	TFT-LDC color display; FWVGA 854 x 480 px
<i>1D/Linear Codes/2D Codes/2D Imager</i>	X	X
<i>Wireless Charging</i>	X	X
<b>COMMUNICATIONS</b>		
<i>Local Wireless Radio (Wi-Fi, Bluetooth®)</i>	IEEE 802.11 a/b/g/n; Bluetooth® v4.0/BLE	Laird/Summit IEEE 802.11 a/b/g/n Cisco CCX v4; Bluetooth® v4.0/BLE
<i>Wireless Wide Area Network (WWAN)</i>	-	-
<i>Wired Communications</i>	USB 2.0 Client	USB 2.0 Client
<b>OPTIONS</b>		
<i>Keypad / Keyboard Options</i>	Fully programmable key	Fully programmable key
<i>Camera</i>	Black & White image capture via scanner	-
<i>Voice Capability</i>	VoiP	-
<b>RUGGEDNESS / DURABILITY</b>		
<i>IP Rating</i>	-	-
<i>Drop to Concrete</i>	1.2 m / 4.0 ft	1.2 m / 4.0 ft
<i>Operating Temperature</i>	-10 to 50 °C / 14 to 122 °F	-10 to 50 °C / 14 to 122 °F
<i>Weight</i>	Handheld 275 g / 9.7 oz Pistol grip: 305 g / 10.7 oz	Handheld 275 g / 9.7 oz Pistol grip: 305 g / 10.7 oz

MEMOR™ K	MEMOR™ 10	MEMOR™ 20
 <p>The Memor™ K mobile computer is the perfect pocketable business companion with a 4 inch display and a 2 GHz octa-core processor. Featuring Android 9 and 3 GB of memory, the light weight, thin design and backlit numeric keyboard provide for an entry level mobile computer.</p>	 <p>The Memor 10 is an enterprise-grade mobile PDA with the user-friendly experience of Android™ in a compact and rugged design. An ultra-slim, highperforming 1D/2D barcode scanner with great depth of field and efficient battery management features make it an ideal option for demanding environments.</p>	 <p>The Memor 20 combines a slim, compact, yet robust design with powerful performance and a stunning 5.7" full HD display. A practical top notification display enhances productivity. The high-performing scanner and efficient battery management features make it suitable for any indoor/outdoor environment.</p>
<p>X X X X</p>	<p>X X X X</p>	<p>X X X X</p>
<p>Google Android 9 (Pie)</p>	<p>Google Android 9 (Upgradeable to Android 10) with Google Mobile Services (GMS) and Android Enterprise Recommended (AER)</p>	<p>Google Android 9 (Upgradeable to Android 11)a with Google Mobile Services (GMS) and Android Enterprise Recommended (AER)</p>
<p>2.2 GHz Octa-core</p>	<p>2 GHz Octa-core</p>	<p>QualComm Snapdragon 660 2.2GHz Octa-core</p>
<p>System RAM: 3 GB; eMMC Flash: 32 GB</p>	<p>RAM: 3 GB; Flash: 32 GB</p>	<p>RAM: 4 GB; Flash: 64 GB</p>
<p>4 inch WVGA resolution 800 x 480; LED backlight; Touch Screen: 5 points multi-touch capacitive panel with Dragontrail hardened glass</p>	<p>5.0" IPS; 720 x 1280 px HD resolution</p>	<p>5.7" LTPS in 18:9 format - FHD resolution 1080 x 2160; LED backlight Top edge notification display for enriched Android notifications: 0.7 inch POLED</p>
<p>X</p>	<p>X</p>	<p>X</p>
<p>-</p>	<p>X</p>	<p>X</p>
<p>IEEE 802.11 a/b/g/n/ac/d/e/i/w; Bluetooth v5 (Classic Bluetooth wireless technology and BLE)</p>	<p>Bluetooth® v4.2 (Classic Bluetooth wireless technology and BLE)</p>	<p>IEEE 802.11 a/b/g/n/ac and 802.11 d/e/h/k/ r/v/w; Bluetooth® v5.0 (Classic Bluetooth wireless technology and BLE)</p>
<p>-</p>	<p>LTE-Advanced/4G+; Cat 6</p>	<p>LTE-Advanced/4G+; Cat 9, Dual Nano SIM</p>
<p>USB-C: High Speed USB 2.0 OTG</p>	<p>USB 2.0 Client</p>	<p>High Speed USB 3.1 gen1 Host and Client</p>
<p>Backlighted 24 keys rubber keyboard, plus two side scan keys and two programmable side keys</p>	<p>Two (2) side scan keys, Three (3) Android Softkeys</p>	<p>Two (2) side scan keys, Three (3) Android Softkeys</p>
<p>Resolution: 8 MP; Illumination: LED flash; Lens: Auto focus</p>	<p>Rear: 13 MP (Auto-focus)</p>	<p>Rear: 13 MP (Auto-focus) Front: 8 MP</p>
<p>-</p>	<p>VoIP</p>	<p>VoIP/VoLTE</p>
<p>IP54</p>	<p>IP65</p>	<p>IP65/67</p>
<p>1.2 m / 4 ft to concrete; 1.5 m / 5 ft to concrete (with rubber boot)</p>	<p>1.5m / 5ft</p>	<p>1.8 m / 6.0 ft</p>
<p>-20 to 50 °C / -4 to 122 °F</p>	<p>-20 to 50 °C / -4 to 122 °F</p>	<p>-20 to 50 °C / -4 to 122 °F</p>
<p>268 g / 9.4 oz (with battery)</p>	<p>285.0 g / 10.0 oz</p>	<p>295 g / 10.4 oz</p>

## HANDHELD COMPUTERS

	SKORPIO™ X4	SKORPIO™ X5*
	 <p>The Skorpio™ X4 mobile computer features a high performance architecture that offers blazing speed for legacy applications while providing an easy migration path to Android™.</p>	 <p>The Skorpio™ X5 mobile computer is rugged enough to face the toughest Enterprise challenges. Featuring Google OS Android™ 10 with GMS, the Skorpio X5 is designed for the harshest environments and has a wireless charging option.</p>
<b>APPLICATIONS</b>		
<i>Retail</i>	X	X
<i>Manufacturing</i>	X	X
<i>Transportation &amp; Logistics</i>	X	X
<i>Healthcare</i>	X	X
<b>FEATURES</b>		
<b>Operating System</b>	Windows Embedded Compact 7 / Android v4.4	Google Android 10 with Google Mobile Services (GMS) and Android Enterprise Recommended (AER)
<b>CPU, Processor</b>	TI OMAP4 @ 1 GHz	Qualcomm SD660 Octa-core 2.2 GHz
<b>Memory: RAM / ROM</b>	RAM: 1 GB; Flash: 8 GB	RAM: 3 / 4 GB; Flash: 32 / 64 GB
<b>Display</b>	Transflective TFT / LCD, QVGA 240 x 320 px; 3.2 in diagonal	4.3 inch TFT / Transflective LCD with 800 x 480 WVGA pixel resolution; LED backlight and integrated touch screen
<b>1D/Linear Codes/2D Codes/2D Imager</b>	X	X Including new 2D Mid Range and new near-far Extra Long Range (XLR)
<b>Wireless Charging</b>		X
<b>COMMUNICATIONS</b>		
<b>Local Wireless Radio (Wi-Fi, Bluetooth®)</b>	TI Wi-Link 8, IEEE 802.11 a/b/g/n; Bluetooth® v4 w/BLE (Android models); Bluetooth® v2.1 + EDR (WEC7 models); MIMO	IEEE 802.11 a/b/g/n/ac and 802.11 d/e/h/i/k/r/v/w/mc IPv4, IPv6, 2x2 MU-MIMO for higher throughput and coverage Class 2, Bluetooth V5.0, NFC
<b>Wireless Wide Area Network (WWAN)</b>		
<b>Wired Communications</b>	RS-232; USB; Ethernet	USB Type-C: USB 3.1 gen 1 Gigabit Ethernet connectivity (on 3 Slot docks dedicated to contact charging devices)
<b>OPTIONS</b>		
<b>Keypad / Keyboard Options</b>	50-key full alphanumeric, 38-key functional; 28-key numeric keyboard	47-key full alphanumeric, 38-key functional; 28-key numeric keyboard
<b>Camera</b>		Rear Camera 13 MP
<b>Voice Capability</b>		VoIP
<b>RUGGEDNESS / DURABILITY</b>		
<b>IP Rating</b>	IP64	IP65
<b>Drop to Concrete</b>	1.8 m / 6.0 ft	1.8 m / 6.0 ft
<b>Operating Temperature</b>	-10 to 50 °C / 14 to 122 °F	-20 to 50 °C / -4 to 122 °F
<b>Weight</b>	Handheld (w/stan. battery): 388 g / 13.7 oz Pistol grip (w/stan. battery): 482 g / 17.0 oz	Handheld (w/stan. battery): 488 g / 17.2 oz Pistol grip (w/stan. battery): 600 g / 21.1 oz XLR with pistol grip and high capacity battery: 665 g

\*not all Skorpio X5 features are available on all device versions

## VEHICLE MOUNT COMPUTERS

### FALCON™ X4



The Falcon™ X4 mobile computer features a high performance multi-core 1 GHz architecture that offers blazing speed when running Windows Embedded Compact OS and is easily upgradeable to the Android™ OS.

### RHINO II™ VEHICLE MOUNT COMPUTER



The Rhino II™ vehicle mount computers, available in both 10" and 12" display sizes, sets the standard for ruggedness in the warehouse. Rhino II offers a choice of WEC7, WES 7, Windows 10 IoT Enterprise or Android 7.1 operating systems.

### BLACKLINE SH15 / SH21



The SH15 Blackline computer is a 15 inch rugged vehicle mount computer (VMC) as well as a fixed mount unit. The SH21 Blackline computer is a 21 inch industrial computer. Both are used for any industrial application.

X  
X  
X  
X

X  
X  
X  
X

-  
X  
X  
-

Windows Embedded Compact 7 / Android v4.4

WEC7, Windows Embedded Standard 7,  
Windows 10 IoT Enterprise 64 bit, Android 7.1

Windows Embedded Standard 7  
or Windows 10 IoT Enterprise 64 bit

TI OMAP4 @ 1 GHz

Proc. ARM 4 x 1.0 GHz;  
Proc. Intel E3826 2 x 1.46 GHz

Intel Atom E3845 Quad Core 1.91 GHz;  
Intel i5-5350U Dual Core 1.8 GHz

RAM: 1 GB;  
Flash: 8 GB

RAM: 1/2 Gb (Arm), 4 GB (Intel)  
Storage: 32 GB CFAST/SD Card

RAM: 4 GB (Quad Core); 16 GB (i5)  
Storage: 32 GB CFAST/SD Card

Transflective TFT / LCD,  
QVGA 240 x 320 px;  
3.5 in diagonal

**Freezer Model:**  
10.4 inch SVGA 800 x 600, 400 NITS;  
**Standard Model:**  
10.4 inch XGA 1024 x 768, 350 NITS  
12.1 inch XGA, 1024 x 768, 500 NITS

SH15 XGA 1024 x 768,  
400 NITS  
SH21 FHD 1920 x 1080,  
350 NITS

X

-

-

-

-

TI Wi-Link 8, IEEE 802.11 a/b/g/n;  
Bluetooth® v4 / BLE (Android models);  
Bluetooth® v2.1 + EDR  
(WEC7 models); MIMO

Wi-Fi 802.11 a/b/g/n  
(2.4 & 5 GHz);  
Cisco CCX v4; Bluetooth® v4.0

Wi-Fi 802.11 a/b/g/n  
(2.4 & 5 GHz);  
Cisco CCX v4; Bluetooth® v4.0

Optional

-

USB; RS-232; Ethernet

Ethernet; USB; RS-232  
(5 and 12 V)

Ethernet; USB; RS-232  
(5 and 12 V)

29-Key (also in functional version); 52-Key

4 programmable keys;  
Customizable Software Keyboards

4 programmable keys;  
Customizable Software Keyboards

-

-

-

-

IP65

IP65 / IP67

IP65 / IP67

1.8 m / 6.0 ft

-

-

-20 to 50 °C / -4 to 122 °F

Standard Model:  
-20 to 50 °C / -4 to 122 °F  
Freezer Model:  
-30 to 50 °C / -22 to 122 °F

-20 to 55 °C / -4 to 131 °F

Handheld: 602.0 g / 21.4 oz  
Pistol grip: 668.0 g / 23.6 oz

10 in. Freezer Model: 3.4 Kg / 7.5 lb  
10 in. Standard Model: 3.6 Kg / 7.9 lb  
12 in. Standard Model: 4.7 Kg / 10.4 lb

SH15: 6.5 Kg / 14.3 lbs  
SH21: 10.8 Kg / 23.8 lbs

# COMPLEMENTARY PRODUCTS



## RFID SLED

RFID SLED is a handheld device to convert the Memor 10 PDA to a UHF RFID reader. Designed to provide the best-in-class performance for quickly reading large numbers of UHF RFID tags, the 2128P reader boasts improved levels of accuracy and RFID read/write performance. All items within range are read simultaneously.



### Highlights

- Provides a larger, fixed high gain antenna for up to 9 m / 29.5 ft of read range
- In-reader Tag de-duplication software
- The integrated ePop-Loq® socket allows for data and charge connections
- Flat landing contact pads, allowing for quicker docking and greater durability
- Bluetooth Version 4.2 technology
- Supports both Bluetooth Classic as well as Bluetooth Low Energy (BLE) connectivity
- Can be operated in Serial Port Profile (SPP) or Human Interface Device mode (HID)
- LED indicators on the rear side of the antenna
- Direct USB Connection for Ultra secure data gathering
- Equipped with a Micro SD socket and real-time clock
- Supports automatic re-connect mode

### Applications

- Retail: In-store and Back Room Inventory, Item location, Price Checking
- Transportation & Logistics: Receiving Control, Picking, Item Tracking and Location, Air baggage tracking
- Manufacturing: Material/Finished Goods Inventory, Locating, Cycle Counting, Receiving Control, Automatic Replenishment
- Healthcare: Surgical Instrument Tracking, Sample Tracking, Blood Bag Tracking, Pharmaceutical and Laboratory Inventory



## HANDSCANNER

The HandScanner is the lightest and smallest 2D wearable scanner in the market that allows workers to use both hands to pick faster and expand productivity while reducing repetitive useless motions and errors.

HandScanner can be easily paired with mobile computers, vehicle mount computers to provide workers with a full data collection solution that maximizes both efficiency and worker comfort in any application.



### Highlights

- Light, small and thin with a weight of 40 gr / 1.4 oz and a footprint of 50 x 45 x 16 mm / 1.97 x 1.77 x 0.63 in
- Megapixel Optical resolution: 1280 x 960 pixels
- Comfortable hand trigger available in 3 different sizes with right / left hand options, optimum fit with variable Velcro fastener
- High transmit speeds with Bluetooth® Low Energy 4.0, 4.1, 4.2, 5.0 technology
- Up to 10,000 scans and 15 hours run time on a single charge
- Fast full recharge in only 2 hours
- Feedback for all environments: LED indicators, acoustic and haptic feedbacks
- Maximize efficiency with the intuitive bundle from Datalogic's mobile computers
- EASEOFCARE Service Plans offer a wide range of service options to protect your investment, ensuring maximum productivity and ROI

### Applications

- Transportation & Logistics ~ Picking, packing, receiving, sorting, shipping; Track & tracing, Delivery/Proof of Delivery
- Manufacturing ~ Parts and assembly's traceability, Sequencing stations, Inventory management, replenishment, sorting, finished goods verification
- Retail ~ Front-end: Click and collect, in-store inventory, price checking; Back Office: Receiving, Inventory management; Warehouse: Picking, Shipping & Receiving
- Healthcare ~ Pharmaceutical and Laboratory warehouse picking and inventory, sample/blood bag tracking

# SOFTWARE & TOOLS

## SOFTWARE

All Datalogic CE mobile devices are pre-licensed and pre-installed with **Wavelink Avalanche®** software.

This remote device management software substantially increases productivity and lowers the Total Cost of Ownership through the centralized monitoring and control of software, firmware and configuration upgrades.

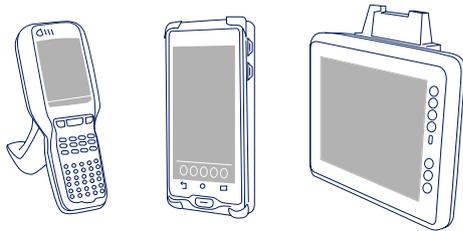


### Datalogic Shield

**Subscription for predictable, recurring Android software updates\*:**

- Includes quarterly security patches based on the Android Security Bulletins: <https://source.android.com/security/bulletin>
- Includes firmware fixes and enhancements
- Android major version (dessert) upgrades included
- Support for 2 years after device's end of sale
- 12 month transition support for prior Android versions
- Automatic customer notifications of new updates

*\*Subject to Datalogic Shield or Ease of Care Terms & Conditions*



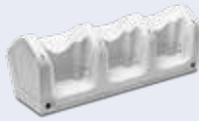
		Joya Touch WEC7	Joya Touch Android	Memor K	Memor 10	Memor 20	Skorpio X4 WEC7	Skorpio X4 Android	Skorpio X5 Android	Falcon X4 WEC7	Falcon X4 Android	Rhino II WEC7	Blackline SH15/SH21
DEVELOPMENT	Windows SDK	X					X			X		X	
	Android SDK (Java, Xamarin)		X	X	X	X		X	X		X		
	Wavelink® Studio™						X						
TERMINAL EMULATION	Wavelink® Terminal Emulator (TE)	X			X	X	X		X	X		X	X
	Wavelink® Velocity		X		X	X		X	X		X		
	Wavelink® Velocity CE	X		X			X						
	StayLinked	X	X		X	X	X	X	X		X	X	X
MOBILE DEVICE MANAGEMENT	SOTI MobiControl	X	X	X	X	X	X	X	X	X	X	X	X
	Wavelink® Avalanche™	X	X	X	X	X	X	X	X	X	X	X	X
	42Gears SureMDM	X	X	X	X	X	X	X	X	X	X	X	X
	VMWare AirWatch		X	X	X	X		X	X		X		
CONFIGURATION	Scan2Deploy (DXU)	X	X	X	X	X	X	X	X	X	X	X	
MISC.	Pal™ Application Suite						X			X			

# ACCESSORIES

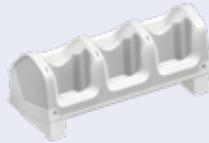


## JOYA TOUCH A6 accessories

### Cradles and Holders



• 91ACC0043  
3-Slot Cradle-Wall Mount



• 91ACC0069 3-Slot  
Cradle-General Purpose



• 91ACC0072 Single  
Slot Cradle Locking



• 91ACC0073 Single Slot  
Cradle Charge only

### Miscellaneous



• 91ACC0047 Trolley Holder  
(60 pcs)



• 91ACC0079  
Rubber Boot



• 91ACC0080  
Holster

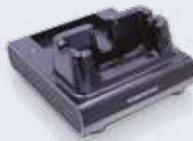


• 91ACC0036  
Lanyard



## Memor K accessories

### Base Stations/Chargers



• 94A150111 Memor K Single Slot Dock

### Miscellaneous



• 94ACC0312 Memor K Belt Holster



• 94ACC0313 Memor K Rubber Boot

# ACCESSORIES

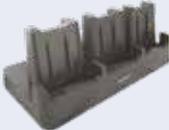


## Memor 10 accessories

### Base Stations/Chargers



• 94A150095  
Single Slot Dock



• 94A150096  
3-Slot Dock



• 94ACC0192  
Battery Charger



• 3-slot Ethernet Adaptor, also available in a Single Slot Ethernet Adaptor

### Miscellaneous



• 94A150097  
Vehicle Dock



• 94ACC0201  
Pistol Grip



• 94ACC0193  
Rubber Boot



## Memor 20 accessories



• 94A150099 Single Slot Dock, Charge only  
• 94A150100 Locking and USB



• 94A150103 3-Slot Dock charge only  
• 94A150104 Locking and Ethernet



• 94ACC0246  
Multi Battery Charger



• 94A150105  
Vehicle Dock



• 94ACC0253  
Attachable Pistol Grip



• 94ACC0247  
Rubber Boot



## Skorpio X5 accessories

### Base Stations/Chargers

- 94A150106 Single Slot Dock, Wireless
- 94A150107 Single Slot Dock, Wired
- 94A150108 3 Slot Dock Wireless Light
- 94A150109 3 Slot Dock Wireless Charging Locking
- 94A150110 3 Slot Dock Wired
- 94ACC0274 Multi Battery Charger



### Miscellaneous

- 94ACC0324 Screen Protector
- 94ACC0325 Attachable Pistol Grip
- 94ACC0323 Rubber Boot for HH and Gun
- 94ACC0330 Skorpio X5 XLR Belt Holster
- 94ACC0331 Skorpio X5 XLR Rubber Boot
- 94ACC0050 Belt Holster, Skorpio





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