

M8050 Compact Handheld Computer

Product Launch Document



M8050 Compact Handheld Computer

- 320x240 color QVGA display, with touch screen
- High capacity 5200 mAh Li-Ion battery
- 1D or 2D scanning
- Integrated MSR

Now! Customers don't have to wait!



The ACC-8025
charging cradle



AML M8050 Compact Handheld Computer

Designed for the demands of today's mobile workforce, the new AML M8050 is a user-friendly, full-featured handheld computer that delivers outstanding functional value in a compact, lightweight package. Featuring a high-capacity 5,200 mAh battery, users can easily get more than 8 hours of operation before recharging, even with intensive barcode scanning and radio activity.

Unique features of the M8050 include the integration of a magnetic stripe reader (MSR), which has a distinct advantage over competitive units that offer "plug-in" or "bolt-on" accessories when it comes to ruggedness and survivability. Another feature is a trackball pointing device which compliments the stylus and touchscreen, but also allows one-handed "point-and-click" operations when using the stylus may be cumbersome or undesirable.

The M8050 comes equipped with a fast, yet low-power, 400MHz microprocessor and 128MB of RAM and 128MB Flash ROM...more than enough memory to handle any mobile application. Additional flash memory can be installed via the user-accessible micro SD slot.

Available in Batch, WiFi, and WiFi+Bluetooth® configurations, the M8050 can be tailored for any application. Optional 1D laser or enhanced 2D imaging barcode scanning technology turns the M8050 into a complete data collection solution.

[Download the M8050 Specification Sheet](#)

Features & Benefits

Features	Benefits
High capacity 5200 mAh Li-Ion battery	Permits all-day and into the night operation for even the most scan intensive applications.
Integrated Magnetic Stripe Reader (MSR)	Not a "bolt-on" or "plug-in", the integrated MSR is more durable and rugged than competitive units.
320x240 color QVGA display, with touch screen	Sharp images and excellent viewability. Convenient stowage for two styluses is on the device.
Batch, WiFi, or WiFi/Bluetooth® combination	Pick the connectivity that works best for the customer's application.
1D or 2D scanning	Choose the lower-cost laser scanner for applications reading 1D barcodes (UPC, Code 39, Code 128, etc.) or the 2D imager for applications requiring 2D scanning (PD417, Datamatrix, etc.)

Product Specifications

Physical	
Dimensions	14.5 cm L x 8.3 cm W x 5.0 cm D(5.7" L x 3.25" W x 2.0" D)
Weight	.81 lbs/363g
Display	3.5" QVGA (320x240), 65K colors
Touch Screen	Integrated resistive touch panel
Primary Battery	Removable, rechargeable 3.7VDC Li-Ion, 5200mAh
Backup Battery	3.7VDC 180 mAh Lithium
Keypad	18 keys with trackball
Networking	802.11b/g with WEP/WPA/WPA2, 802.1x Security Optional Bluetooth v2.0
Audio	Integrated speaker and amplifier. Integrated Four-ring. 1mm audio jack for headphone/microphone.
Optional Bar Code Scanner	Integrated Laser Integrated 2D imager
Card Reading	Integrated magnetic stripe reader (MSR)

Performance	
Processor	Samsung S3C2440 @ 400 MHz
Memory (RAM)	128 MB SDRAM

Memory (Flash Storage)	128MB Flash ROM
Memory Expansion	Micro SD Card
Operating System	Windows CE 6.0 Linux 2.6

Environmental	
Operating Temperature	-10° to 50° C / -14° to 122° F
Storage Temperature	-25° to 50° C / -14° to 122° F
Humidity	5% to 95% RH, non-condensing
Electrostatic Discharge	8kVDC through air; 5kVDC contact
Sealing	IP54; NEMA 12

Optional Wireless Radio	
WLAN	IEEE 802.11b/g
Frequency	2.4 GHz Range
Antenna Configuration	Internal Antenna
Security	None; 64/128 Bit WEP; WPA/WPA2 Personal (PSK); WPA/WPA2 Enterprise (EAP); 802.1x Authentication Supplicants
WPAN	Optional Bluetooth® v2.0

Regulatory	
Certifications	FCC Part 15 Class A; CE
Environmental	RoHS, Pb-Free

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Download the [M8050 Specification Sheet](#)

Accessories & Peripherals



[ACC-8025 Charging Cradle](#)

The M8050 is charged using the ACC-8025 charging cradle, which can also charge a spare battery at the same time. The ACC-8025 comes with a wall mounted, AC/DC power supply; line cord is required. (*Part Number: ACC-8025*)



CAS-8050 Holster

When not in use, the M8050 is comfortably carried by wearing the CAS-8050 holster on the belt. The rigid holster protects the device from impact and dropping.
(Part Number: CAS-8050)

Product Features

- **High-capacity battery**
At the time of its launch, the M8050 will feature the highest capacity battery of any handheld computer on the market. Its 5200 mAh battery will ensure that users can scan all day and into the night without a battery change.
- **Integrated MSR**
The M8050 features a magnetic stripe reader (MSR) integrated into the case. Competitive devices, that offer an MSR as an option, require that the device be "plugged in" or "bolted on" as an accessory, which greatly reduces the durability and the drop rating of the device. By integrating the MSR, the M8050 drop rating is not compromised with added bulk or additional points of failure.
- **Multiple Operating Systems**
The AML M8050 is available in both Windows CE 6.0 and Linux 2.6 versions offering application developers the freedom to chose the operating system that best meets their requirements.
- **Cost-effective and cost-saving**
The M8050 is designed to appeal to today's cost-conscious retail buyer. Starting at \$995.00 List (Batch version), the M8050 is dollar-for-dollar and ounce-for-ounce one of the most versatile handheld computers on the market.

Target Markets & Applications

The M8050 from AML is versatile enough to be used in a wide range of applications ranging from retail line-busting and in-store data collection, to hospitality, gaming, trade show/convention venues, and many, many more. Its ultra-long battery keeps it on the job longer than any other handheld in its class.

Pricing (List) & Part Numbers

M8050 Compact Handheld Computer

The M8050 is a ruggedized handheld computer in a PDA form factor. Featuring a QVGA touchscreen LCD, integrated magnetic stripe reader, and an ultra-long-life battery, the M8050 is versatile enough for a multitude of applications. A powerful 400MHz processor runs either Windows CE 6.0 or Linux, and a generous amount of memory (128MB RAM, 128MB ROM) provides ample storage for applications and data.

Comes with: User Documentation CD
Warranty: One Year
Need to Know: The ACC-8025 charging cradle is required to charge the battery.

Part Number	Description	List Price
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M8050 Windows CE 6.0		
M8050-0000-00	M8050, CE 6.0, Batch , No scanner	\$995.00
M8050-0100-00	M8050, CE 6.0, Batch, Laser	\$1,345.00
M8050-0600-00	M8050, CE 6.0, Batch, 2D Imager	\$1,545.00
M8050-1000-00	M8050, CE 6.0, 802.11g, No scanner	\$1,045.00
M8050-1100-00	M8050, CE 6.0, 802.11g, Laser	\$1,395.00
M8050-1600-00	M8050, CE 6.0, 802.11g, 2D Imager	\$1,645.00
M8050-2000-00	M8050, CE 6.0, 802.11g+BT, No scanner	\$1,095.00
M8050-2100-00	M8050, CE 6.0, 802.11g+BT, Laser	\$1,495.00
M8050-2600-00	M8050, CE 6.0, 802.11g+BT, 2D Imager	\$1,695.00
M8050 Linux		
M8050-0000-01	M8050, LINUX, Batch, No scanner	\$995.00
M8050-0100-01	M8050, LINUX, Batch, Laser	\$1,345.00
M8050-0600-01	M8050, LINUX, Batch, 2D Imager	\$1,545.00
M8050-1000-01	M8050, LINUX, 802.11g, No scanner	\$1,045.00
M8050-1100-01	M8050, LINUX, 802.11g, Laser	\$1,395.00
M8050-1600-01	M8050, LINUX, 802.11g, 2D Imager	\$1,645.00
M8050-2000-01	M8050, LINUX, 802.11g+BT, No scanner	\$1,095.00
M8050-2100-01	M8050, LINUX, 802.11g+BT, Laser	\$1,495.00
M8050-2600-01	M8050, LINUX, 802.11g+BT, 2D Imager	\$1,695.00

Download the [M8050 Product Configurator](#)

M8050 Extended Warranties

Part Number	Description	List Price
SVC-EW8050	M8050 Extended Warranty (3 Years)	\$245.00
SVC-EWP8050	M8050 Extended Warranty Plus (3 Years)	\$385.00
SVC-EWX8050	M8050 CARE Plan Extended Warranty (3 Years)	\$475.00
SVC-MA8050	M8050 Maintenance Agreement (1 Year)	\$175.00
SVC-MAP8050	M8050 Maintenance Agreement Plus (1 Year)	\$295.00

M8050 Accessories

Part Number	Description	List Price
ACC-0825	Charging Cradle	\$145.00
1810-0006	Battery, 5200 mAh, Li-Ion	\$95.00
CAS-8050	Holster, M8050	\$65.00

Download [AML Partner Price Guide](#) (password required)

[Request Password](#)

Warranty and Support Agreements



Includes one (1) year standard warranty agreement

Optional:

Extended Warranty coverage (3 Years)

Extended Warranty Plus coverage (3 Years)

CARE Plan Extended Warranty coverage (3 Years)

View the [AML Support Agreements](#)

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