



SPEED IS POWER



M3 Marketing Bulletin

M3MB # 10-01

Australia/New Zealand Only

SUBJECT: M3-7101S Release Details—Whats New



The M3 Mobile Sky has been updated, and is now available with either Numeric or Full QWERTY keyboard.

It also has been updated with the Summit Wi-fi 802.11b/g with CCX v4 certification.

This product bulletin outlines all of the current device features and specifications.

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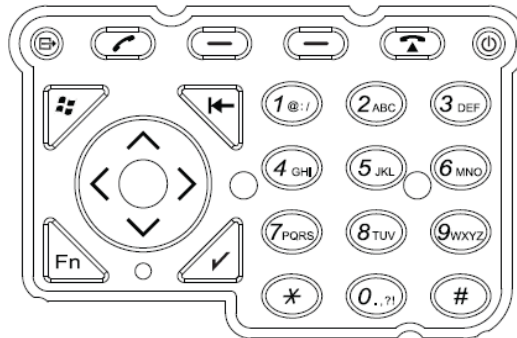
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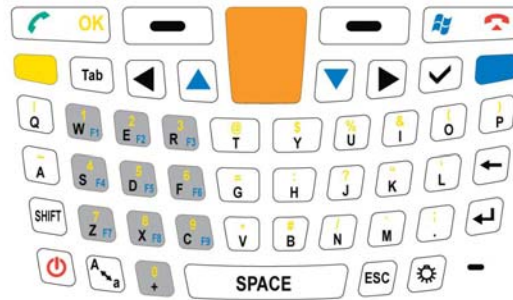
Hardware Enhancements

No	Items	Description
1	Variable Key Pad Options	MC-7101S both supports numeric and QWERTY key options

[MC-7101S Numeric Key Pad]



[MC-7101S QWERTY Key Pad]



2	Summit Wi-Fi	The Summit Wi-Fi module has been integrated to the M3 Sky for seamless roaming between WLAN AP's and supports a broad range of wireless network securities (Cisco CCX V4 certified module)
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For more information about CCX v4: http://www.cisco.com/web/partners/pr46/pr147/program_additional_information_new_release_features.html

For more information about the Summit Wi-Fi module: <http://www.summitdatacom.com/SDC-MCF10G.htm>

3	Back up Battery	170mAh internal back-up battery is now standard in all M3 Sky devices.
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The internal back-up battery guarantees data retention for approximately 24 hours after the main battery is either fully discharged, or removed from the terminal.

4	GPS	The integrated GPS is wired both to the main battery, and back up battery.
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5	RTC coin	When main battery is fully discharged or removed, the back-up battery provides more power capacity enabling users to maintain data for a longer period of time.
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6	24 Pin Slot	24 –pin slot has been removed from base of MC-7100s Qwerty unit. Is still available on numeric version.
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Operating System Modifications

No	Items	Description
1	Systems Booting	System booting modified to take into account the insertion of the backup battery
2	Wi-Fi	WLAN changed from MS WLAN default to Summit WLAN solution
3	Key	QWERTY keypad support has been added.



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Product Specifications

Category	Feature	Specification
Physical Characteristics	Dimensions(LXWXT)	162 x 78.6 x 24 mm 6.37 x 3.09 x 0.94 in
	Weight	320g/ 11.28oz (with rechargeable lithium ion battery)
	Display	3.5 h 240x320 Color Touch Panel
	Backlight	LED backlight
	Battery	Standard: Rechargeable Li-ion 2200mAh (2pcs) Extension: Rechargeable Li-ion 4000mAh
	Expansion Slot	Mini SD slot (Max. 32G)
	Communication I/O	USB 1.1 Host and Client
	Notification	Audible tone Vibrator Multi color LEDs (Charging, Call status, IrDA status, Scan status)
	Keypad	Numeric, Full QWERTY
	Speaker	Speaker, Microphone, Bluetooth headset
Operation	CPU	Xscale PXA 270 624Mhz processor
	OS	Microsoft Windows Mobile 6.1 Classic/ Professional
	Memory	128MB SDRAM/256 MB Flash
Environment	Operating Temperature	-20C ~ 60C / -4F ~ 140F
	Storage Temperature	-30C ~ 80C / -22F ~ 176F
	Humidity	95% non-condensing
	Drop Specification	1.5m drop to concrete
	Environmental Sealing	IP65
	Electrostatic Discharge(ESD)	12kV air discharge, 8kV direct discharge
	Adaptor	Home application (Input: AC 100 to 250V, Output: DC5.2V/3A) Vehicles Application (Input: DC9 to 30V, Output: DC5.2V/2A)
Data Capture	16 configurations available	Specified below**
	Scanner	1D Laser/ Linear, 2D Imager (T.B.D)
	Camera	2 megapixel color camera with Illumination Flash, Auto Focusing
Wireless	Wireless WAN	3G+ HSDPA (Siemens HC25)
	GPS	Sirf III & 15x15 Active antenna
	RFID	13.56Mhz, ISO 14443 A/B, ISO15693 embodied, 2 SAM card
	Wireless PAN	Bluetooth V1.2 Class II
	IrDA	Integrated transceiver: 9.6~115.2Kbit/s



Product Specifications

Category	Feature	Specification
Wireless (Cont.)	Wireless LAN	<p>Cisco Compatible Extensions (Version 4) Radio: IEEE 802.11b/g Security Standards; WEP (Wireless Equivalent Privacy) WPA (Wi-Fi Protected Access) WPA2 (IEEE 802.11i)</p> <p>Encryption; Wireless Equivalent Privacy (WEP, RC4 Algorithm) Temporal Key Integrity Protocol (TKIP, RC4 Algorithm) Advanced Encryption Standard (AES, Rijndael Algorithm)</p> <p>Encryption Key Provisioning; Static (40 and 128 bit lengths)</p> <p>Pre-Shared (PSK) Dynamic</p> <p>802.1X Extensible Authentication Protocol Types; EAP-FAST, EAP-TLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP</p> <p>Data Rate - 802.11b (DSSS): 1, 2, 5.5, 11 Mbps - 802.11g (OFDM): 6, 9, 12, 18, 24, 36, 48, 54 Mbps</p> <p>Frequency band - ETSI- 2.4 GHz to 2.4835 GHz - FCC- 2.4 GHz to 2.4835 GHz - Telec- 2.4GHz to 2.4897GHz - KCC- 2.4GHz to 2.4835GHz</p>
	Accessories	<p>Included in package</p> <p>Available Peripherals</p>



Data Capture Configurations Available

	<i>Removable Option</i>	<i>1D scanner</i>	<i>2D Scanner</i>	<i>Camera</i>	<i>RFID</i>
1D scanner	Yes	Yes	No	Yes	Yes
2D scanner	Yes	No	Yes (TBD)	Yes (TBD)	Yes (TBD)
Camera	Yes	Yes	Yes (TBD)	Yes	Yes
RFID	Yes	Yes	Yes (TBD)	Yes	Yes

Ordering Codes

Name	HSDPA	WLAN	Scanner	Camera	Blue-tooth	GPS	RFID	-	Keypad	Color**
			S2: 1D Scanner						Q: Qwerty	G: Grey
			S4: 2D Scanner						N: Numeric	W: White
MC-7101S	H	W	Sx	C	B	P	R	-	Q or N	G or W

For Example:

If you wanted to order an M3 with HSDPA, WLAN, 1D scanner, Camera, Bluetooth, GPS, Qwerty Keypad, Grey in color

Then the part number you would need to look for is:

MC-7101S HWS2CBPX-QG where the X signifies that the RFID module is not required for your use.

So for as a second example if you need an M3 with HSDPA, 2D Scanner, Bluetooth, Numeric Keypad, Grey in color

Then the part number you would need to look for is:

MC-7101S HXS4XBXX-NG where the X's signify that Wireless, Camera, GPS and RFID is not required.



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