



IT8000

Powerful performance inside
 Compact and ergonomic design
 Industry level rugged mobile computer
 Longest lasting operating time in the market



IT8000

MOBILE COMPUTER SERIES SPECIFICATIONS

Physical Characteristics

■ Dimensions	6.89" (L) x 2.60"/2.20" (W) x 1.69"/1.38" (D) or 175mm (L) x 66mm/56mm (W) x 43mm/35mm (D)
■ Weight (Laser/Standard battery)	11.65oz or 330g (with WLAN)
■ (Laser/Hi-capacity battery)	13.23oz or 375g (with WLAN)
■ Display	2.8" in transmissive QVGA TFT (320 x 240, 256K color)
■ Touch	4-wire resistive type class touch panel
■ Backlight	300nits LED
■ Main Battery	2000mAh@3.7V DC Li-ion rechargeable smart battery
■ Backup Battery	15mAh@2.4V Ni-MH rechargeable battery
■ Expansion	Micro-SD slot (compatible with microSDHC)
■ Communication	RS-232, USB 1.1 (Host and Client, switchable by SW)
■ Status Indicator	One LED for charger status One LED and vibrator for scanning One LED for Bluetooth connection One LED for WiFi connection
■ Keypad	32 keys numeric keypad (support terminal full-text environment)
■ Audio	Mono speaker, stereo microphone, 2.5mm DIA stereo earphone jack

Performance Characteristics

■ Processor	Marvell/Intel PXA270@624MHz
■ OS	Microsoft Windows CE 5.0(R) Professional
■ Memory	128MB SDRAM/256MB Flash

Environmental

■ Operation Temperature	14°F ~ 104°F / -10°C ~ 40°C
■ Storage Temperature	-13°F ~ 140°F / -25°C ~ 60°C (without battery)
■ Humidity	95% non-condensing @ 40°C
■ Drop Spec	3.94ft (1.2m) free drop to concrete, 3 drops per 6 sides
■ Tumble Drop Spec	100 times 1.0m tumbles (200 drops)
■ Environmental Sealing	IP54
■ ESD	+/- 8KV air discharge, +/-4KV contact discharge

Wireless Communication

■ WPAN :	Bluetooth Class II V2.0+EDR
■ WLAN	
■ Network Protocol	IEEE 802.11b/g
■ Frequency Band	2.4 ~ 2.4897 GHz
■ Wireless Media	DSSS and OFDM
■ Data Rate	802.11b (DSSS)Max. 11Mbit/s 802.11g(OFDM) Max. 54 Mbit/s
■ Security	WEP, WPA, WPA2 (IEEE 802.11i)
■ Encryption	WEP, TKIP, AES
■ Encryption Key Provisioning	Static (40bits and 128bits), Pre-Shared (PSK), Dynamic
■ 802.1X EAP type	EAP-Fast, EAP-TLS, PEAP-GTC, PEAP-MSCHAPv2, LEAP
■ Certifications	WiFi Alliance (802.11b, 802.11g, WPA-Enterprise, WPA2-Enterprise) Cisco Compatible Extensions (CCX) version 4

Data Collection

■ Data Capture Engine:	1D Laser Motorola/Symbol SE955
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Peripherals and Accessories

■ Single Dock Cradle	Cradle (w/ USB Cable), with 2nd battery charging slot
■ Cradle Cables	Serial cable for cradle, USB cable for cradle
■ Communication	Synchronization and charging Y-cables, for USB and serial port
■ Battery	Standard battery (2000mAh Li-ion), Hi-capacity battery (4000mAh Li-ion)
■ Others	Stylus pen, hand strap, adapter

Regulatory

■ Environment	Compliant with RoHS & WEEE
■ Safety	CSA IEC 60950-1, CB, CCC, BSMI (CNS14336)
■ EMI	FCC Part 15 Subpart B, Subpart C, SAR (OTA65), CE EN 300328, EN 31489-1/-17, EN 55022/24, EN 50392, SRMC, NCC (LP0002)
■ Laser Safety	IEC 60825-1, 21CFR1040.10, EN 60825-1



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