

SPECIFICATIONS

8500 series

Industrial Mobile Computer



8500 8570 8580 8590

Performance	CPU	32-bit CMOS			
	Memory	2MB Flash ROM 2MB, 6MB, 10MB SRAM			
	Operating power	Removable, rechargeable 3.7V 4000 mAh Li-ion battery			
		Adapter: AC 110V / 220V input DC 6V 3.3 A output via cradle			
	Working hours ¹	400 hours batch mode 70 hours WLAN mode			
	Backup power ²	3.0V 7.0 mAh Lithium battery / Data retained 1 week minimum			
Alerts	Programmable LED, buzzer, vibrator				
Wireless communication	WLAN	—	IEEE 802.11b/g (350 m line of sight) ²	—	IEEE 802.11b/g (350 m line of sight) ²
	WWAN	—	—	GSM/GPRS	GSM/GPRS
	WPAN	BT Class 2 compliance			
	Serial	IR / IrDA (115.2 Kbps)			
Data capture	Barcode scanning	Linear imager / Laser / Long-range laser / Extra-long-range laser / 2D imager			
	RFID reader/writer	Frequency: 13.56 MHz Supported tags: ISO 14443A, ISO 14443B, ISO 15693, ICODE			
Physical characteristics	Display	3.0" 160 × 160 pixels, touchscreen, white LED backlight, heater option			
		26 characters × 19 lines small font or 20 characters × 9 lines large font			
	Keypad	24 numeric / 44 alphanumeric keys / 44 terminal emulation keys, LED backlight			
	LED	Dual color: green, red			
Size L x W x H Weight	230 × 91 × 63 mm / 9.1 × 3.6 × 2.5 in.				
	600 g / 21.2 oz. configuration dependent				
User environment	Operating temperature	-20° to 60°C -4° to 140°F	-10° to 60°C / 14° to 140°F		
		Storage temperature	-30° to 70°C / -22° to 158°F		
	Humidity	5% to 95% non-condensing			
	Impact resistance	Multiple 1.5 m / 5 ft. drops onto concrete, 5 drops on each side / IP64			
	Electrostatic discharge	±8 kV direct electrostatic discharge			
EMC regulation	BSMI, CE, C-Tick, DGT, FCC, MIC, RSS-210, TELEC				
Programming	C, Basic, Windows® -based CIPHERLAB Power Suite FORGE Application Generator				
Terminal emulation	VT100/220 and TN5250				
Communication cradle	RS232, USB, 56 Kbps modem, Ethernet				
Accessories	4-slot battery charger, vehicle cradle, belt holster, protective cover, pistol grip				
Warranty	1 year				

¹ Based on one standard laser scan per five seconds with backlight on. ² Effective coverage depends on user environment and equipment deployment. It is highly recommended to conduct a site survey before actual deployment.

ACCESSORIES



Charging and Communication Cradle
USB client / USB host / Ethernet

