ERSBio HANDHELD BARCODE SCANNER

This high performance barcode scanner integrates into the EBZ500-series fingerprint biometric device with Job Costing capabilities providing reliable calculations of job durations.

HOW JOB LINE COSTING WORKS

A jobcard will be created with the barcode corresponding to the job/task to be completed	The Technician will scan their fingerprint on a biometric device to positively identify them	The barcode will then be scanned and the hours spent on the job/task will start to calculate	Once the job/task has been completed, the Technician will clock OUT and scan the barcode again	The clocking data is then sent to the system, which can then be used for accurate billing

EVOLVE 2.0 ERSBio has integrated into the Evolve and Evolve2.0 platform, automating your billing process.

1D **2D** CE FC RoHS

PHYSICAL CHARACTERISTICS

Dimensions	90 mm × 62.8 mm × 153 mm
Weight	132 g (without cable)
Cable	Straight 2.0 m
Connector Type	RJ-45 phone jack connector
Case Material	PC+TPU
Exit Window Material	Tempered glass
Host System Interfaces	RS-232, or USB Keyboard, USB virtual COM
Indicator Interface	Beeper and LED
Trigger Mode	Hand-held, Auto-Detect
Firmware Upgrade	Online

ELECTRICAL CHARACTERISTICS

Input Voltage	5.0 ± 0.25 VDC
Current	Standby: 160 mA, Working: 300 mA (Max: 480 mA)

PERFORMANCE CHARACTERISTICS

CPU	32-bit ARM Microprocessor
Scan Pattern	Image
Image Size	1280 × 800 pixels
Light Source	Illumination : 5000 K , white LED; Aiming: 525 nm peak wavelength, green LED Speed reading (Motion Tolerance) : Minimum 5 IPS
Field of View	Horizontal: 41°, Vertical: 28°
Scanning Angles	±70°, ±75°, 360°(skew, pitch, roll)
Print Contrast	20% minimum reflectance difference
Decoding Capability	All common 1D/2D paper barcodes and mobile barcodes
Minimum Resolution	HD : 1D Code 39：3 mil SR : 1D Code 39：4 mil

Decoding Depth		High Density Series	Standard Range Series
	3 mil Code39（3 chars）	25 – 50 mm	/
	4 mil Code39（9 chars）	10 – 90 mm	30 – 90 mm
	13 mil UPC（6 chars）	0 –250 mm	0 – 280 mm
	20 mil Code39（1 char）	15 –340 mm	15 – 430 mm
	6.7 mil PDF417（20 chars）	10 – 100 mm	15 – 120 mm
	10 mil QR（20 chars）	0 – 155 mm	0 – 165 mm
	20 mil QR（20 chars）	0 – 270 mm	0 – 340 mm

ENVIRONMENTAL CHARACTERISTICS

Temperature	Operating: -20°C to 50°C (-4°F to 122°F); Storage: -20°C to 70°C (-4°F to 158°F)
Humidity	5% to 95% (non-condensing)
Safety	EMC: EN55032, EN55024 Photobiological Safety: EN62471 RF Immunity: IEC61000-4-3, 10 V/m Artificial light Immunity: 100,000 lux Sealing: IP52 Drop Resistance: Withstands multiple 2.0 m drops to concrete