



Introduction

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Mbarc your mobile business with the Mbarc M4 Mobile Ticket/Coupon validation thin client Mini Kiosk. The M4 is specially designed to offer mobile 2D barcode scanning and direct communication to a server through wired and wireless networks. The M4 also is capable to run applications and store database information. In a thin client configuration it can handle large quantities of customers at the same time with several validation terminals/entrances connected to a local server. Offering mobile phone scanning, feedback through a LCD display, a key-pad as fall back interface and wired- and wireless communication with a server. The M4 is available as wall- and table model and operates 1 up to n M4's within WiFi reach.

The M4 connects mobile phone users to your business making existing processes more efficient and creating new opportunities of doing business. From ubiquitous connectivity into making contact, from making contact into building a 1 on 1 relation Mbarc offers a wide range of business solutions for Mobile Ticketing, Mobile Couponing, Mobile Loyalty, etc.

Powered by the best available price/performance mobile phone screen scanner, durable thin client PC, LCD Display, keypad, Ethernet/WiFi and optional GPRS communication the M4 is a self-service validation terminal for single operation and high volume environments with more then one entrances.



Specifications

General	
Housing	Plastic housing with rubber pad for positioning mobile phone during scanning of phone screen.
Functional	Free-Stand model for use on counter in POS environment.
Feedback	Speaker, Led's and LCD
Ergonomics	Omni directional scanning
Reading	Reading LCD screens, paper and RFID tags.
Specifications	
CPU	32 bit RISC, XScale 312 MHz
Memory	64M SDRAM, 32M NOR Flash ROM, 32M NAND Flash (extendable up to 256M Bytes)
Standard	RS232
	USB (1.1, host, for driving the printer)
	USB (1.1, slave, use the PC as flash memory)
	RS485



Optional	Ethernet
	802.11 G
	GPRS: Double Frequency, 900/1800MHz, Max Speed £85.6 Kbps
	RFID: Mifare 13.56M, ISO 14443A, 13.56 MHz, TI, ISO 15693, 13.56 MHz, Felica
Reading Mode	640*480 CMOS
Symbologies	2D: PDF417, QR code, Datamatrix, etc. 1D: Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, China Post, ISBN/ISSN, Code93 etc.
Precision	≥ 6mil
Depth of field	0-50mm
Light Source	Visible LED Diode 630nm ± 10 nm
Reading Window	40mm * 50 mm
LCD	2.8 inch, 26 colors, 320 *RGB*240
Keyboard	12 Keys(0-9 Number Keys, Cancel Key, Confirm Key)
PCS	≥ 30%
Roll, Pitch, Yaw	360°, 45°, 45°
Circumstance Luminosity	0 - 100,000 Lux
Max Power Consumption	1.5 W
Power	DC 5V, 1.5 A
Weight	1000 g
Operate Temperature	-5 °C to +45 °C
Storage Temperature	-40 °C to +60 °C
Humidity	5% - 95% (non-condensing)
OS	ARM Linux
International Authentication	FCC Part15 Class B, CE EMC Class B

The Mbarc M4 standard will be delivered with a default application which will perform the basic validation functionality. A setup tool enables an easy- product and communication set up. We support all major communication protocols and when more- or specific custom made developments are needed Mbarc can integrate this or will offer the needed Software Development Kit, libraries, API's and support to fully integrate your demands and functions into the Mbarc M4.

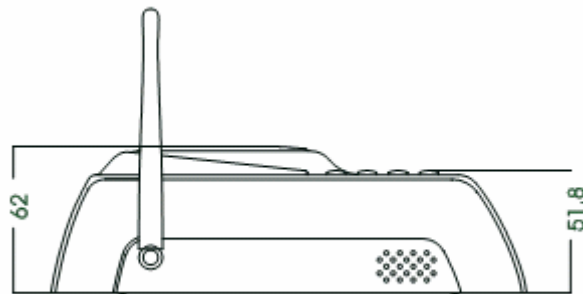
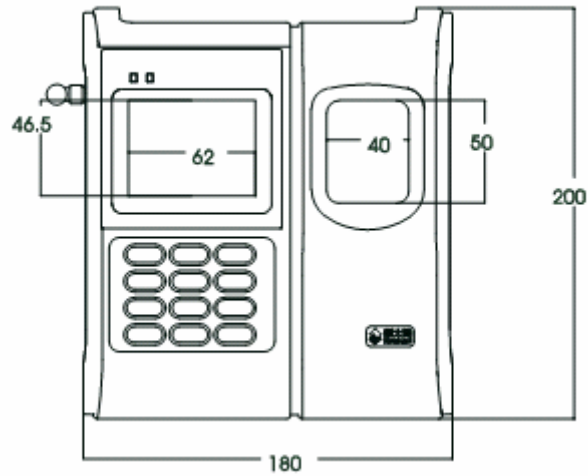


Image Reading Characteristics

Code Size	Smart Focus °C
	90mm Near ~ Far
Code39 5mil	0 mm ~ 15 mm
Code39 10mil	0 mm ~ 25 mm
PDF417 5mil	0 mm ~ 20 mm
PDF417 10mil	0 mm ~ 30 mm
DataMatrix 10mil	0 mm ~ 25 mm
DataMatrix 15mil	0 mm ~ 36 mm
QR Code 10mil	0 mm ~ 25 mm
QR Code 15mil	0 mm ~ 40 mm



Dimensions



Contact



Solution Provider:

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