

Boca Printer Specifications

General

Print Method:	Direct Thermal
Print Speed:	Up to 14 inches per second (ips) at 200 dpi in high speed mode; 11 ips (300 dpi, high speed mode).
Dot Size:	Standard 203 dpi (=dots per inch = 8 dots/mm). Optional 305 dpi (12 dots/mm) and 605 DPI (24 dots/mm, approximately 10-12 weeks lead time is required).
Media:	Thermal ticket or label stock. BOCA manufactures premium quality tickets and labels which entitles the user to free print head replacement on all BOCA printers.*
Dot History:	All printers utilize a multi-level dot history algorithm. This results in increased print speed, extended print head life and clearer print quality.
MTBF:	20,000 hours (mean time between failures)
MTTR:	10 minutes (mean time to repair)
Head Life:	100 million activations per dot or 60 km of paper (minimum).
Cutter Life:	1 million cuts (minimum).
Patents:	BOCA has a patented head protection system that prevents premature head failure.
Approvals:	Designed to meet UL, cUL, FCC, CE, CCC, EngeryStar
Protocols:	FGL; Optional: PCL4, Pectabs, POS
Drivers:	Printer Drivers are available for most Windows, Mac and Linux operating systems
Controls:	On/Off switch, Control panel with LEDs and LCD (not on all models).
Power Requirements:	100-240 VAC, 50/60 Hz, 80W max; 24 VDC, 100W max

Media Transport

Media Type:	Custom printed or blank fan folded stock. Rolled stock can be used, but please ask your account manager.
Media Thickness:	004" to .011" (certain models have restrictions, please ask your account manager)
Media width:	Standard from 2.00" to 3.25"; Optional from 1.00" to 2.00" and from 2.00" to 4.00"
Drive:	Stepper motor controlled pinch roller
Positioning:	Optical detector senses black mark
Ticket Separation:	Integrated cutter. Manual tear-off. Burster assembly (Mag printers and other specials).

Interfaces:

Standard:	RS232C Serial (Baudrate selectable up to 112k), Bi-directional Parallel (PC compatible), USB
Optional:	Ethernet, WIFI and Bluetooth
Note:	New printers can be ordered from the factory with multiple interfaces. Printers ordered with limited ports may contain additional non-operational interface connectors.

Environmental:

Operating Temperature:	0 to 45°C.
Relative Humidity:	10% to 90% without condensation.
Storage Temperature:	-40 to 70°C.
Note:	The above operating conditions are based on the use of 175 grams blank top coated tickets. The addition of ink to the face of the ticket may significantly reduce the maximum operating conditions (temperature/humidity). Other ticket materials may also restrict the operating conditions.

Barcodes:

Code 39 (2:1 and 3:1 ratios); Code 128; Interleaved 2 of 5 (2:1 and 3:1 ratios); EAN-8 & EAN-13; Codabar; UPC; PDF417; DataMatrix; QR-code; Aztec

Fonts (Bitmap):

Resident Fonts	OCRA; OCRB (multiple sizes); Prestige; Courier (full International Character Set); Orator
Optional Fonts:	Chinese; Korean; Japanese (Requiring additional FLASH memory option)
Note:	Additional fonts available on request. Special fonts may be downloaded to the printer and stored in RAM or FLASH (4x series only - not available on 2x series printers).

Graphics:

Printer accepts PCX (optional), BMP (optional) and FGL format images. All graphics may be printed live or stored for future use.

Warranty:

All units 1 year, parts and labor. Print head 90 days

Support:

Variety of maintenance programs offered including replacement printer(s) within 24 hours. Spare parts usually shipped immediately from stock.