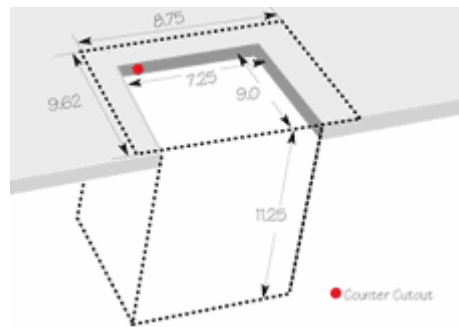


# VERTICAL MINI

## THERMAL TICKET PRINTER



BOCA's vertical printers are full-featured ticket printers specially configured for flush mounting within the box office desktop. This product style has set the standard for cinema and leisure park ticket offices where space is at a premium. These printers are supplied with an attractive brushed aluminum surface plate and is simple to install.



- Attach top plate prior to use
- Verify that counter top can support the printer's weight prior to installation



### Physical Characteristics:

#### Dimensions:

Printer: 11.25H x 6.90W x 8.60D (inches)

Top Plate: 8.75W x 9.62D x .125 Thick (inches)

Weight: 15 lbs.

# Ticket Printer Specifications (Revised September 30, 2007)

## General

**Print Method:** Direct Thermal

**Print Speed:** Programmable 14 inches per second (ips) (200 dpi, high speed mode) 11 ips (300 dpi, high speed mode)

**Dot Size:** 203 DPI (8 dots/mm) standard. 305 DPI (12 dots/mm) is optional (required for PCL4). 605 dpi (available Dec 2003) for 2.0 inch and 2.125 inch printers.

**Media:** Thermal ticket or label stock. BOCA manufactures premium quality tickets and labels which entitles the user to free print head replacement on all printers that BOCA supplies.\* NOTE: This does not apply to 600 dpi print heads.

**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

**MTTR:** 10 minutes

**Head Life:** 1 x 10<sup>8</sup> activations per dot or 60 km of paper.

**Patents:** BOCA has a patented head protection system that prevents premature head failure.

## Media Transport

**Media Type:** Custom printed or blank fan folded stock.

**Media Thickness:** .004" to .008" (x series) ; .004" to .011" (all other models)

**Fixed Widths:** 1.00", 1.328", 2.00", 2.125", 2.5", 2.7", 3.25", 4.00" (only 2.00", 3.25" and 4" are available on x series)

**Reverse Adjustable:** From 2.0" to 3.25" (available as an upgrade on x series)

**Adjustable Paper Path:** Between 2.0" and 3.25" (standard configuration) or between 2.0" and 4.0" (available as an upgrade on x series)

**Drive:** Stepper motor controlled pinch roller.

**Positioning:** Optical detector senses black mark

**Ticket Separation:** Integrated cutter (Mini). Manual tear-off (Micro). Burster assembly (Mag)

## Approvals

Designed to meet UL, cUL, FCC, CE

## Interfaces

**Types:** RS232C or Bi-directional Parallel (PC compatible), USB and Ethernet (premium option)

**Baud Rate:** Selectable to 112k.

## Protocols

**Standard:** FGL

**Optional:** PCL4, Pectabs

**Other:** Printer Drivers are available for most Windows, Mac and Linux operating systems

## Power Requirements

100 VAC, 60 Hz., 2 Amps max

115 VAC, 60 Hz., 2 Amps max

230 VAC, 50 Hz., 1 Amp max

24 VDC, 5 Amp max

## 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 blank T7 and HS7 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
- Softstrip
- Interleaved 2 of 5 (2:1 and 3:1 ratios)
- EAN-8 and EAN-13
- PDF417
- Codabar
- UPC
- Data Matrix

Automatic check digit calculation for appropriate bar codes. Full speed printing of picket fence and ladder bar codes.

## Fonts

- OCRA
- Courier (full international character set)
- OCRB (multiple sizes)
- Orator
- Prestige
- Optional Fonts Requiring 2M memory option (Chinese, Korean, Japanese)

Additional fonts available on request. Special fonts may be downloaded to the printer and stored in RAM or FLASH (FGL42 only).

## Graphics

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

## Support

Variety of maintenance programs offered including replacement unit within 24 hours. Spare parts usually shipped immediately from stock.

## Operator Controls and Indicators

Controls: On/Off, Control panel (not on Sub and X Series printers).

## Warranty

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