

# THE PLATINUM PACKAGING GROUP

## PLAT*Machinery*

### PLATINUM PRINTING ENGINES

# S84 *ex*

# S86 *ex*



*Maximize productivity for 24/7 mission critical applications*

#### **Easy to Use**

- Two Color Status LED and LCD
- Best-in-class Print Speed and Throughput
- Simple Standalone Mode Support
- Downloadable/ Uploadable Printer Settings, Log, Data, Firmware, via SD and USB and USB



#### **Quick Maintenance**

- Easy Tool Free Printhead and Roller Replacement
- Convenient Access to Rear Cabinet
- Tool Free Sensor Cover Replacement



#### **Enhanced Connectivity**

- Multiple Interfaces On-board
- D-SUB 25 pin EXT Interface - NPN/PNP Connection
- Standard Emulations On-board
- Multi-national Language Support



# GENERAL SPECIFICATIONS / S84-ex/S86-ex

## PRINT SPECIFICATIONS

### Method

Direct Thermal or Thermal Transfer,  
Direct Thermal Only, Ribbon Saver (S84-ex Only)

### Mode

Continuous, Dispense

### S84-ex

#### Resolution

203 dpi (8 dots/mm)	305 dpi (12 dots/mm)	609 dpi (24 dots/mm)
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#### Speed

16 ips (406.4 mm/sec)	14 ips (355.6 mm/sec)	6 ips (152.4 mm/sec)
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#### Print Area

#### Maximum Width

4.1" (104.0 mm)

#### Maximum Length

98.43" (2500.0 mm)	59.06" (1500.0 mm)	15.75" (400.0 mm)
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### S86-ex

#### Resolution

203 dpi (8 dots/mm)	305 dpi (12 dots/mm)
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#### Speed

14 ips (355.6 mm/sec)	12 ips (304.8 mm/sec)
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#### Print Area

#### Maximum Width

6.6" (167.5 mm)

#### Maximum Length

49.2" (1,249.0 mm)

## MEDIA SPECIFICATIONS

### Sensor Type

Adjustable Transmissive Sensor for Gap,  
Adjustable Reflective Sensor for Black Mark,  
Paper End, Ribbon Near-end/End

### Media Type

Die-cut Labels 0.125" Gap,  
Continuous Labels, Roll

### Media

#### Width

**S84-ex** 0.51" (13 mm) to 5.16" (131 mm)

**S86-ex** 2.13" (54 mm) to 7.09" (180 mm)

#### Minimum Length

Continuous Mode 0.36" (9 mm)

Dispense Mode 0.51" (13 mm)

### Thickness

0.002" (0.05 mm) to 0.012" (0.31 mm)

### Ribbon

#### Width

**S84-ex** 0.98" (25 mm) to 5.04" (128 mm)

**S86-ex** 2.32" (59 mm) to 6.99" (177 mm)

#### Length

1968.5 ft (600 m) on 1" (25.4 mm) ID Core

### Wind

Face-in/Face-out, No Setting Change Required

## PLATINUM Genuine Consumables

For maximum print quality and optimum use,  
PLATINUM recommends the use of PLATINUM  
genuine consumables.

## MEMORY & PROCESSING SPECIFICATIONS

### Receive Buffer

2.95 MB

### Memory

48 MB Flash, 64 MB RAM

## USER FRIENDLY SUPPORT TOOLS

### Large Status LCD

Blue/Red

### Status LCD

White/Orange

### Audible Alerts

Adjustable Volume Setting

### Self Diagnosis

Head Check,

Auto Sensor Calibration

### Simple Standalone Mode

Store Up to 9 Formats

### Multi-national Language Support

Internal Scalable Fonts for Print,

Selectable LCD Languages

### Emulations

LCD Selectable - SZPL, SDPL, SIPL  
(Pre-installed)

### Remote Setting

Web Browser,

PLATINUM All-In-One Printer Utilities

### Drivers

Windows, Linux, SAP Smart Forms, OSX

## COMMUNICATION INTERFACES SPECIFICATIONS

### Standard

USB 2.0 (Type B), RS232C, IEEE1284, Ethernet  
(Protocol TCP/IP: LPR, FTP, TELNET, SNTP),  
D-SUB 25 pin EXT (14 pin conversion cable  
included)

### Optional Interfaces

Wireless LAN, IEEE 802.11 b/g/n

(Protocol TCP/IP: LPR, FTP, TELNET

Security: WEP, WPA, WPA2, Dynamic WEP),

Bluetooth 2.0+ EDR Class 2 SPP

### External Memory

USB Type A, SD/SDHC Card

## OPTIONS

W-LAN Kit, Bluetooth Kit,

UHF RFID Kit ISO18000-6 Type C (S84-ex Only)

## FONT SPECIFICATIONS

### Internal Fonts

#### Bitmap

U, S, M, WB,WL, XS, XU, XM, XB, XL, OCR-A,

OCR-B, Chinese (GB18030, Big5),

Korean (KSX1001)

#### Scalable

CG Times, CG Triumvirate™, PLATINUM

GAMMA, PLATINUM VICA, Thai, Arabic

### Downloadable Fonts Support

Bitmap, True Type (1 byte/2 byte),

Maximum 11.7 MB

## BARCODE SYBLOGIES SPECIFICATIONS

### Barcodes

#### Linear

Code 39, Code 93, Code 128, CODABAR (NW-  
7), EAN 8/13, GS1 DataBar™, GS1-128 (UCC/  
EAN 128), Interleaved 2/5, Industrial 2/5, JAN  
8/13, Matrix 2/5, MSI, Bookland, POSTNET™,  
UPC-A/E Intelligent Mail Barcode

#### 2D Symbolologies

PDF417, Micro PDF, Maxi Code, GS1 Data  
Matrix, QR Code, Micro QR Code, Security  
QR, Composite Symbolologies

## OPERATING & ENVIRONMENT CHARACTERISTICS

### Electrical Requirements

Universal Auto-ranging Power Supply,  
100-240 VAC +/- 10%, 50/60 Hz

### Standard & Agency Approvals

IEC 60950, CE Marking, EN 60950-1,  
EN 55022 Class A, EN 55024, R&TTE,  
NEMKO-GS, cMETus, UL60950-1/CSA C22.2  
No. 60950-1, FCC, ICES-003, NMB-003, RCM,  
CCC, SRRC, KC

### Environment

#### Operating

23 to 104°F (-5 to 40°C), 15-85% RH,  
Non-condensing

#### Storage

-4 to 140°F (-20 to 60°C), 15-90% RH,  
Non-condensing

## PHYSICAL CHARACTERISTICS

### S84-ex

#### Dimensions

Width: 9.65" (245 mm)

Depth: 16.06" (408 mm)

Height: 11.81" (300 mm)

#### Weight

Direct Thermal or Thermal Transfer Model:

30.2 lbs (13.7 kg)

Direct Thermal Only Model:

27.1 lbs (12.3 kg)

### S86-ex

#### Dimensions

Width: 9.65" (245 mm)

Depth: 18.23" (463 mm)

Height: 11.81" (300 mm)

#### Weight

Direct Thermal or Thermal Transfer Model:

33.3 lbs (15.1 kg)

Direct Thermal Only Model:

30.0 lbs (13.6 kg)

## THE PLATINUM PACKAGING GROUP

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