

Lightweight 3" (80mm) Receipt Printer with three wireless communication options

Advantages

- Designed to withstand the rigors of mobile computing
- Contemporary, lightweight, robust printer
- Easy "drop-in" paper loading
- Easy to wear with belt loop system or shoulder strap
- Field tried, robust IrDA communication standard
- More receipts per charge with new Lithium Ion battery
- Faster printing to reduce the time to print each receipt
- State-of-the art integrated micro-processor
- Flash memory — add logos, bar codes and other graphic elements
- Optional built-in ISO standard 3-track micro magnetic-card-readers and/or smart card reader
- Optional Bluetooth™ or 802.11b module for state-of-the art wireless communication
- Full 12 month warranty including print head



NEW!



New S3750THS Design Details

Highly Integrated Microcontroller by ST-Microelectronics:

- Flash based Integrated CPU contains firmware, resident fonts, rotated fonts, downloadable fonts, graphics, logos, and bar codes
- Incorporates Flash and SRAM memory
- Manages all the features supported by the printer

Low power precision Regulator Circuits:

- 8 bit 2 channel A/D circuit to measure system and printer mechanism voltage levels, battery and thermal print head temperature
- Fail safe and CPU watchdog circuits

Fujitsu Thermal Print Head (rated at 2" per second at 7.2V):

- Easy Load Clamshell style paper load system with pull-bar release for paper door
- Automatic thermal print contrast control (voltage and temperature dependent)
- High speed, high resolution print
- Built-in detectors to monitor voltage and paper-out

Fast Charge Circuit with Auto-switch to Top-Off Charge:

- Power adapter option, auto switch to AC power when charging adapter is used
- Hardware and software power management
- New extra capacity Lithium Ion battery cartridge (2200 mA/h)

Easy to Integrate:

- Multiple Communication Interfaces including IrDA, Bluetooth and 802.11b
- MS-DOS and Windows compatible with full speed handshake
- Print Drivers available for Windows 95, 98, 2000 and XP
- Print Utilities available for CE (including Windows CE; Pocket PC; .NET) and Palm based operating systems

Special Features:

- Resident fonts to enable printing from 12 to 24 characters per inch
- Protective bumpers
- Printer is in-field programmable for firmware, font and logo set-up
- Optional integrated magnetic card reader and/or smart card reader
- Two-bay battery charger

Print Mechanism:

Printing Method:	Thermal dot line printing
Dot Per Line:	576
Number of heat elements:	2 heater/dot, 142 ohms/dot
Printing Width:	70mm
Resolution:	8 dots/mm
Paper feed pitch:	0.125mm
Printing speed:	50mm/sec @ 6 Volts, between 4 & 7 lines/sec
Head Temperature detection:	By thermistor, hardware protection against overheating
Paper-out/TOF detection:	By photo interrupter
Operating Voltage:	5V
Current Consumption:	3.8A @ 64 dots
Reliability:	50 million mean characters until fail @25% pulse

Standard Operating Features:

Character set:	ASCII International and IBM Graphic set plus downloadable option. All font tables are in-field downloadable.
Graphic print:	Bit addressable graphic command set graphic logo store and print. Black or Q-Mark Sensing option
Bar codes:	Codes 39,128, 2 of 5, UPC-A, UPC-E, UPC/EAN-8, UPC/EAN-13, Codabar.
Supervised operation:	Supervisory command set to read battery voltage, Print head temperature, buffer status, power management and Firmware version
Line Buffering:	32K standard
Characters per line:	36, 48, 57, 60, 63, 72 (s/w command)
Character Size:	3x2 3x1.5 3x1.15 3x1.5 (HxW mm)
Print contrast:	Auto and user selectable
Print Output:	Double high, double wide and bold print
Optional:	80 columns (loaded)

Communication:

Interface:	RS232C and IrDA standard; Bluetooth option: 802.11b option
Baud Rate:	2400, 9600, 19,200, 38,400 baud, dip switch select
Fast IrDA Transfer Speed:	Up to 38.4K depending on computer capability
Std.IrDA Transfer Speed:	9600 connect and transfer
Handshaking:	CTS/RTS and/or XON/XOFF

Print Media:

Paper Width:	80mm (3.125 inches)
Lines of Print/roll:	4400 (1.375" diameter roll, 0.4" core, approx. 15m or 48 feet long)
Paper Rolls per Charge:	~ 8
Lines per Charge:	~ 35,000 (4" receipt followed by 60 second delay then repeat)

Power:

Power supply:	Internal rechargeable battery with wall mount DC charging adapter
Battery:	2 cell Lithium Ion, 2200 mAh
DC Power Pack:	10V/1.4 A DC/AC UL listed adapter standard.
Battery Recharge:	Internal Fast 180 min fast charge with auto switch to top-off charge; Over-voltage, Over-current and over-heat protection
Power ON/OFF:	Power ON/OFF switch, or by raising RTS input; or sending a single character through serial input. Auto power down timer, can be set or disabled through user application.

User Interfaces/Mechanical:

Status indicators:	3 LEDs (2 are multi functioning) - Power/ERROR, Charging, Ready/Fault
User switches:	2 switches – On/Off, Feed
Connection:	RJ type (6 pin) for Data I/O; DC input Power Jack for wall mount adapter; Infra-Red (IrDA) with Ambient Light Filter; Integrated Bluetooth radio module (optional); Integrated magnetic card reader (optional); Integrated 802.11b radio (optional); Integrated Smart Card Reader (optional)
Dimensions:	120x152x57mm (4.75x6.0x2.25") WxLxH including bumpers
Weight:	580g (20oz) with paper and battery pack
Warranty:	One year standard (3 years available at extra charge)
OEM Products:	Design services available

Environmental Specifications (Based on S3500T):

Operating Temperature:	-10° to 50°C
Storage Temperature:	-20° to 60°C
Humidity:	Up to 90% RH (non-condensing)
Drop:	Exceeds industry standard for drop
Agency Approvals:	FCC: Part 15 Subpart B, Class B CE: EN60950 CE: EN55022 Class B; CE: EN61000-3-2; CE: EN61000-3-3; CE: EN50024. AS/NZ: 3548 Class B Complies with EMC Directive 89/336/EEC and Low Voltage Directive 73/23/EEC Conforms to ANSI/UL STD 60950 & Certified to CAN/CSA STD C22.2 No. 60950-00 CB Certified ETL Listed, control # 3046813 IEC 68 certified

Ordering Information:

Printer:	S3750THS with RS-232 and IrDA Interface (US Style Adapter)
7842811	change last digit to 2 for Euro style Adapter
7842812	change last digit to 4 for UK style Adapter
7842814	add "R" for 3-track MCR (e.g. 7842812R)
[]	add "S" for smart card reader (e.g. 7842811S)
[]	add "RS" for smart card reader (e.g. 7842814RS)
[]	add "-1" for Bluetooth™ option (e.g. 7842812S-1)
[]	add "-2" for 802.11b option (eg 7842811-2)

Accessories:

151131	Power Adapter, 12-16 VDC input vehicle adapter
756998	Belt Loop System (included as standard)
757351	Shoulder Strap
757061	Spare paper, pkg. of 5 rolls
7A100014	Spare battery
5892RJD9	Coiled Cable (RJ to D9)