star

2020 Product Catalog

Star Technology Spectrum

Star provides various technology solutions across the technology spectrum, from native to web-based apps, to help you reach your POS goals.

Our technologies, paired with our dedicated integration support team, allow you to reduce integration cost and time.

Native Applications

Commands

Commands
• Detailed (perfect) control
• Strong flexibility for how you want your peripherals to work

StarPRNT SDK

StarPRNT SDK
Swift/Objective - C, Java, C#, Xamarin
• Many APIs supported, including peripherals such as scanners and scales • User-friendly, especially for mobile OS programmers (no need to read/study command manual) • No need to install software on the end-user side • Works offline

Drivers

Drivers
• Well-known control method
• Simple technology — just install the driver on the customer's side and apply settings

PassPRNT

PassPRNT*
URL Scheme, HTML
• Simple way for apps to print with very little integration required • Receives and outputs the print data

futurePRNT

FuturePRNT
• Plug-and-play marketing and setup tools • Easy-to-use and customizable

Web-Based Applications

PROMOPRNT

PromoPRNT*
• Create custom promotions from templates
• Improve customer acquisition, engagement, and retention

Star CloudPRNT

CloudPRNT
Star Protocol – HTTP to Pass a REST / JSON API
• Extremely user-friendly for web programmers, including peripheral control
• Print from the Cloud or an on-site server
• No need to prepare a host device on-site (remote control)
• OS-free (multi-platform)

star webPRNT

WebPRNT
HTML
• User-friendly for web programmers, including peripheral control
• Javascript and SDK available, simply embed Javascript in SDK package into your HTML file
• OS-free (multi-platform)

Works with **Apple AirPrint**

Apple AirPrint
Zero Integration
• Dedicated solution for Apple devices
• Leverage Apple consumer technology

*Can be used with both Native and Web-based applications

Choose Your Market!

Retail

Printer	See pages 6 & 7
Portable Printer	See page 8
Cash Drawer	See page 9
Scale	See page 12
Label	See page 7

Restaurant/QSR

Printer	See pages 6, 7 & 10
Portable Printer	See page 8
Cash Drawer	See page 9
Scale	See page 12
Label	See page 7

Lottery (see page 11)

Banking (see page 7)

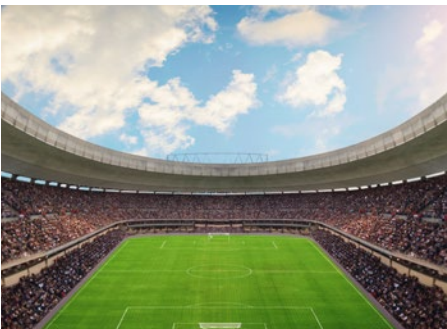**Ticketing (see page 10)**

Kitchen (see page 10)

Grocery (see page 10)

Cannabis (see page 6)

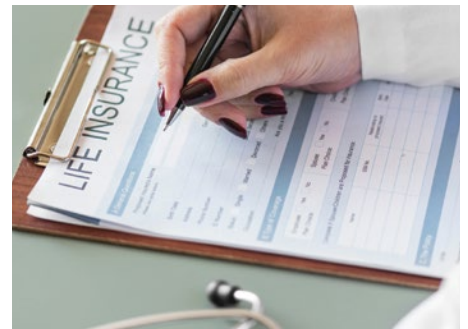**Stadium (see page 7)**

Dry Cleaning (see page 10)

Healthcare (see page 7)

Scrap & Recycling (see page 8)

Self-Service (see page 11)

ᵐCollection™

ᵐC-Print2™

- 2" Thermal Printer
- Easy Setup and User Experience
- Guillotine Auto-Cutter
- Bluetooth, USB, Lightning, LAN, CloudPRNT
- Cloud-Ready and Compatible with Star Micronics Cloud Services
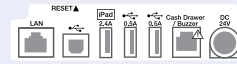
ᵐC-Print3™

- 3" Thermal Printer
- Simple User Experience
- Easy to Integrate Through Common SDK
- Bluetooth, USB, Lightning, LAN, CloudPRNT, SteadyLAN
- IPX2 Splash-Proof and Insect-Proof Design

ᵐPOP™

- All-in-One Mobile Point of Purchase
- Printer - Cash Drawer - Scanner - Device Stand
- Compatible with iOS, Android, and Windows
- Bluetooth 2.1 and USB Connectivity
- Cash Drawer: 4 Bill and 6 or 8 Adjustable Coin Slots or Flat Bill with 4 Bill and 4 to 6 Coins

Sleek, Compact, Connected mPOS

SteadyLAN for iOS | star CloudPRNT | PROMOPRNT

Make it a Bundle!

CD3-1616 Cash Drawer

Star Micronics' CD3 Value cash drawers include cost-effective cash drawers that integrate seamlessly into any retail or hospitality environment.

See page 9

mG-Scale

Your choice of three scales measuring 0.01g – 18lb, fully equipped with wired and battery-operated supply, and USB, Bluetooth, and Serial connectivity.

See page 12

mUnite Stands

A sleek tablet POS stand built for the mC-Print3, mPOP™, and TSP143III/TSP654II, featuring hidden cable management, universal VESA mounting, and more.

See page 13

Desktop Printers

TSP143III
- 250mm/s High-Speed Printing
- Easy Setup Across Models
- Lightning Connection for Simultaneous Charging and Data Transfer
- Guillotine Auto-Cutter
- Compatible with Star Micronics Cloud Services

TSP654II
- 300mm/s High-Speed Printing
- High Reliability and Performance
- Swappable Interfaces: Serial, Parallel, USB, LAN, Bluetooth, AirPrint, & CloudPRNT
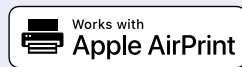- **TSP654SK** – Sticky Paper Capability

TSP743II
- 250mm/s High-Speed Printing
- Up to 0.15mm Paper Thickness
- Black Mark Label Support
- Bluetooth, CloudPRNT, WebPRNT, and Serial Connectivity
- Vertically Mountable

TSP847II
- 180mm/s Speed Printing
- Wide Paper Format (4.4" / 112mm)
- Prints Letter-Sized Documents
- Drop-In and Print Paper Loading
- Barcode Capabilities
- Swappable Interfaces

Reliable, High-Quality Receipt and Label Printing

Works with Apple AirPrint · Star CloudPRNT · Star webPRNT · PROMOPRNT

Make it a Bundle!

CD3-1616 Cash Drawer
Star Micronics' CD3 Value cash drawers include cost-effective cash drawers that integrate seamlessly into any retail or hospitality environment.

See page 9

SP742
The SP742 is Star Micronics' reliable kitchen printer, complete with CloudPRNT online ordering services, or LAN interface for traditional kitchen applications.

See page 10

mUnite Stands
A sleek tablet POS stand built for the mC-Print3, mPOP™, and TSP143III/TSP654II, featuring hidden cable management, universal VESA mounting, and more.

See page 13

Portable Printers

SM-L Series

- Bluetooth 3.0/4.0 (Bluetooth Low Energy) Technology
- Optional Charging Cradle
- Multi-Paper Width (40 to 80mm)
- Print Flat Technology (SM-L300)
- Black Mark Label & Linerless Paper Support (SM-L300)

SM-T Series

- Ultra-Rugged Mobile Printer
- Bluetooth and Serial Interface
- LCD Display for Battery Life and Print Error
- Magnetic Stripe Reader (Optional)
- **SM-T300** – 11 Hour Battery
- **SM-T400i** – 20 Hour Battery

SM-S230i

- 2" Portable Printer
- Compact and Lightweight Design
- Bluetooth 2.1 + EDR/ USB 2.0 Full Speed
- Barcode/ Graphics Printing Supported
- High Speed Printing: 80mm/s
- Magnetic Stripe Reader

Compact, Lightweight, and On-the-Go

Bluetooth® star PassPRNT starPRNT SDK PROMOPRNT

Make it a Bundle!

Shoulder Strap

Comfortable, high quality wearable strap for on-the-go transactions.

Charging Cradle

Durable printer charging cradle which can be used to transform a portable printer into a desktop printer.

Media

High quality thermal and impact label paper, designed to provide a long shelf life, increased image protection, and a guaranteed fit.

See page 13

Cash Drawers

Star Value Cash Drawers | CD3 Line

- Cost-Effective Standard Cash Drawers
- 13" x 13" and 16" x 16"
- Durable Steel Construction
- Black or White Coated Finish
- Cash Drawer Cable Included (Bottom Exit)
- 1 Million Cycle

Star Max Cash Drawers | SMD2 Line

- Premier, Star-Branded Cash Drawers
- 13" x 17" and 16" x 17"
- Black or White Coated Finish
- Cash Drawer Cable Included (Back Exit)
- 2 Million Cycle

Durable and Accommodating Cash Drawers

Make it a Bundle!

mC-Print3

The mC-Print3 is the mCollection's 3-inch POS printer with front paper loading and a splash-proof and insect-proof design.

See page 6

TSP143III

Star Micronics' TSP143III is offered with WLAN, LAN, Bluetooth, or USB interface connection for an easy-to-use and ready-to-go installation.

See page 7

TSP654II

Performance meets reliability with the Star Micronics TSP654II, featuring high-speed printing, swappable interfaces, optional Bluetooth and Apple AirPrint connectivity, and more.

See page 7

Specialty Printers

SP742

- Reliable Kitchen Printer
- Internal Power Supply
- Available with Apple MFi-Certified Bluetooth
- Drop-In and Print Paper Loading
- Available with CloudPRNT Online Ordering Services Support

HSP7000

- Print High-Quality Graphics
- Quickly Endorse and Validate Documents
- High Accuracy, High Speed MICR Reader
- Standard Paper Dimensions Allow for Easy Drop-In and Print Paper Loading

TSP1000

- Large Paper Roll Capacity
- Multiple Paper Widths (45 – 82.5mm Adjustable)
- Ticket Stacker Fitted as Standard
- Drop-In and Print Paper Loading
- Variable Position High Quality Black Mark Sensor

FVP-10

- Under-the-Counter Mountable
- Platform Top Cover to Increase Counter Space
- Paper-Saving Receipt Compressing Tool
- Voice-Enabled Communication Tool
- Waterproof (IPX1 Certified)

Designed for the Kitchen, Lottery, Event Ticketing, and More

star CloudPRNT   star PassPRNT

Make it a Bundle!

SMD2 Cash Drawer

The Star Max SMD2 cash drawers integrate seamlessly into any retail or hospitality environment to complete a sleek and functional mobile point of sale.

See page 9

TSP143III

Star Micronics' TSP143III is offered with WLAN, LAN, Bluetooth, or USB interface connection for an easy-to-use and ready-to-go installation.

See page 7

mC-Sound

Star Micronics' mC-Sound pairs perfectly with the SP742 for noisy kitchen environments.

Kiosk Printers

TUP Series

- Looping Presenter (optional)
- Document Capture
- Modular Design for Easy Integration
- Easy Paper Width Adjustments
- Multi-Position Near-End Paper Sensor

Sanei SK1 Series

- Multiple Paper Orientations
- Compact and Lightweight
- Full and Partial Cut (Command Selectable)
- Easy to Integrate with StarPRNT SDK
- Optional Accessories, Including LED Bezel, Looping Presenter, and Large Paper Roll
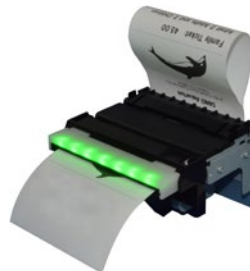
Flexible Self-Service Kiosk Printing

SDK starPRNT PROMOPRNT

Make it a Bundle!

Anti-Jam Paper Bezel

Complete with built-in paper jam detection, paper inlet shutter mechanism, and green and red LED lights.

LED Presenter

Includes green and red LED lights, and paper-retracting functionality.

Large Paper Roll Holder

By accommodating a larger paper roll, cut down on time-consuming and expensive maintenance.

NTEP-Certified Scales

mG-S322

- Measures Substances from 0.01g – 320g
- Class II Accuracy for Cannabis
- Multiple Interfaces (Bluetooth, USB, Serial)
- Wired and Battery-Operated Power Supply
- Windshield Included
- Support for Android, iOS, and Windows

mG-S1501

- Measure Substances up to 1500g
- Class II Accuracy for Cannabis
- Multiple Interfaces (Bluetooth, USB, Serial)
- Wired and Battery-Operated Power Supply
- Waterproof and Dust-Proof Cover Included
- Support for Android, iOS, and Windows

mG-S8200

- Measure Substances up to 18lb
- Ideal for Grocery, Deli, Yogurt, Candy, and More
- Multiple Interfaces (Bluetooth, USB, Serial)
- Wired and Battery-Operated Power Supply
- Readability: 1.0g
- Support for Android, iOS, and Windows

NTEP-Certified Scales

Bluetooth® SDK

Make it a Bundle!

mC-Print3

The mC-Print3 is the mCollection's 3-inch POS printer with front paper loading and a splash-proof and insect-proof design.

See page 6

mPOP

Star Micronics' mPOP™, Mobile Point of Purchase is the first hybrid for tablet POS that combines a cash drawer and printer peripheral.

See page 6

CD3-1616 Cash Drawer

Star Micronics' CD3 Value cash drawers include cost-effective cash drawers that integrate seamlessly into any retail or hospitality environment.

See page 9

Accessories

mUnite Stand

- 3 Models for mC-Print3, mPOP™, and TSP143III/TSP654II
- Universal VESA Mount
- Hidden Cable Management
- Supports any Tablet or Touchscreen Device

mC-Sound

- High Quality Sound (89dB)
- 16 Pre-Recorded Sounds Available
- Records Custom User Sounds
- Sound Converter Tool Available for Integration

Media

- Thermal, Standard Bond, and Label Paper
- Extends Print Head Life
- Longer Paper Lengths Allow for Fewer Paper Changes
- Prevent Jams and Clogs

Finishing Touches to Unify Your POS

Make it a Bundle!

mC-Print3

The mC-Print3 is the mCollection's 3-inch POS printer with front paper loading and a splash-proof and insect-proof design.

See page 6

mPOP™

Star Micronics' mPOP™, Mobile Point of Purchase is the first hybrid for tablet POS that combines a cash drawer and printer peripheral.

See page 6

TSP143III

Star Micronics' TSP143III is offered with WLAN, LAN, Bluetooth, or USB interface connection for an easy-to-use and ready-to-go installation.

See page 7

STAR PRINTER SERIES

	mC-Print2	mC-Print3	mPOP	TSP143III	TSP654II
Printer Speed	100mm/sec.	250mm/sec.	100mm/sec.	250mm/sec.	300mm/sec.
Autocutter	Partial Guillotine Cut	Partial Guillotine Cut	Partial Guillotine Cut	Partial Guillotine Cut with Emergency Tear Bar	Partial Guillotine Cut
Paper Width	58mm	80mm (58mm with Guide)	58mm	80mm (58mm with Guide)	80mm (58mm with Guide)
Interface	**Model mCP20:** USB, Ethernet, CloudPRNT, WebPRNT **Model LB:** USB, Ethernet, Lightning, Bluetooth 4.0, CloudPRNT, WebPRNT, SteadyLAN, Peripheral HUB with 3 USB Ports*	**MCP30:** Ethernet, USB, CloudPRNT **Model L:** USB, Ethernet, CloudPRNT, WebPRNT, Lightning, SteadyLAN, Peripheral HUB with 3 USB Ports **Model LB:** USB, Ethernet, CloudPRNT, WebPRNT, Lightning, Bluetooth, SteadyLAN, Peripheral HUB with 3 USB Ports	Bluetooth 2.1 and USB Peripheral HUB with 4 USB Ports	USB, Ethernet, WLAN, Bluetooth	Serial, Parallel, USB, Ethernet, WLAN, Bluetooth SPP & iAP (iOS Standard), AirPrint, CloudPRNT, WebPRNT
Power Supply	Smaller External PS60A (Included)	Smaller External PS60A (Included)	Internal, Power Cable (Included)	Internal, Power Cable (Included)	External, PS60 (Included)
Reliability	60 Million Lines	60 Million Lines	18 Million Lines	60 Million Lines	60 Million Lines
Dimensions (w x d x h) mm	96 x 115 x 100	132 x 140 x 125	308 x 100 x 300	142 x 132 x 204	142 x 132 x 202
Included with Printer	Paper Guide, Start Up Paper Roll, External Power Supply	Paper Guide, Start Up Paper Roll, External Power Supply	Start Up Paper Roll, mPOP Device Stand, Power Cable **Model B1:** 1D Barcode Reader (BCR)	Wall Mount Bracket, 58mm Paper Guide, 6ft Interface Cable, 6ft Power Cable, Power Switch Cover (Power Cable not included with PUSB versions)	Wall Mount Bracket, Vertical Mount Accessory, 58mm Paper Guide, Power Switch, Start Up Paper Roll, PS60A External Power Supply
Optional Accessories	mG-S322, mG-S1501, mG-S8200, 1D BCR, 2D Imager, Line Display, Kitchen Buzzer, Cash Drawer, mC-Sound, mUnite	mUnite-3, mG-S322, mG-S1501, mG-S8200, 1D BCR, 2D Imager, Line Display, Kitchen Buzzer, Cash Drawer, mC-Sound	mUnite-POP, Plug-and-Play 1D or 2D BCR, Under Counter Mounting Kit, Customer-Facing Line Display	mUnite-POS, Splash Proof Cover (SPC-T100), Vertical Stand (VS-T650), Kitchen Buzzer (BU01-24-A)	mUnite-POS, Splash Proof Cover (SPC-T100), Display Stand for Vertical Use (VS-T650), Kitchen Buzzer (BU01-24-A), 24V Mobile Power Supply

STAR PRINTER SERIES

	FVP-10	TSP743II	TSP847II	TSP1000	SP742
Printer Speed	250mm/sec.	250mm/sec.	180mm/sec.	180mm/sec.	4.7 ~ 8.9 LPS
Autocutter	Full / Partial Guillotine Cut	Full / Partial Guillotine Cut	Full / Partial Guillotine Cut with Tear Bar	Full Guillotine Cut	**SP742:** Tear Bar **SP712:** Full / Partial Guillotine Cut
Paper Width	58 ~ 80mm Fully Adjustable	80mm (82.5 and 58mm with Guide)	112mm standard, (82.5, 58 or 80mm with Guide)	45 ~ 82.5mm	76mm (69.5 and 58mm with Guide)
Interface	Serial, Parallel, USB, Ethernet, Bluetooth SPP & iAP (iOS Standard), WebPRNT Ethernet	Serial, Parallel, USB, Ethernet, WLAN, Bluetooth, CloudPRNT, WebPRNT and peripheral Hub with 2 USB Ports	Serial, Parallel, USB, Ethernet, WLAN, Bluetooth, AirPrint, CloudPRNT, WebPRNT and peripheral Hub with 2 USB Ports	Serial, Parallel, USB, Ethernet	Serial, Parallel, USB, Ethernet, Bluetooth, CloudPRNT, WebPRNT, WLAN
Power Supply	External, PS60 (Excluded)	External, PS60 (Excluded)	External, PS60 (Included)	External, PS60 (Excluded)	Internal, Power Cable (Included)
Reliability	60 Million Lines	60 Million Lines	37 Million Lines	60 Million Lines	22 Million Lines
Dimensions (w x d x h) mm	144 x 114 x 227.7	147 x 148 x 213	180 x 148 x 213	161 x 249 x 306.5	160 x 152 x 245
Included with Printer	Interface Cable, Interface Cover, Power Switch Cover, Start Up Paper Roll	Wall Mount Bracket, Interface Cover, 58mm Paper Guide, Power Switch Cover	User Manual, Start Up Paper Roll, Ferrite Core	User Manual, Paper Stopper, Power Switch Cover, Ferrite Core, Roll Paper Holders (TSP1043 Only), Roll Paper Shaft (TSP1043 Only)	Power Cord, Embedded Power Supply, Vertical Mount Accessory, Paper Guide, Power Switch Cover, Start-Up Ribbon
Optional Accessories	Cable Cover Unit, Under-Counter Mount Kit, Power Supply (PS60A)	External Power Supply (PS60A), Splash Proof Cover (SPC-T700), Display Stand for Vertical Use (VS-T700), Kitchen Buzzer (BU01-24-A), 24V Mobile Power Supply	External Power Supply (PS60A), Display Stand for Vertical Use (VS-T800), Kitchen Buzzer (BU01-24-A), Wall Mount Bracket (WB-T800), Paper Guide (DIVIDER T800), 24V Mobile Power Supply	External Power Supply (PS60A), 24V Mobile Power Supply, Kitchen Buzzer (BU01-24-A)	Kitchen Buzzer (BU01-24-A), Wall Mount Bracket (WB-S700), Vertical Stand Kit (VS-S700), Near End Paper Sensor

STAR PRINTER SERIES	HSP7000	TUP500 / TUP900	SK1-200	SK1-300	SK1-40
Printer Speed	**Slip:** 4.82 LPS	220mm/sec.	250mm/sec.	250mm/sec.	150mm/sec.
Autocutter	Partial Guillotine Cut	**TUP592:** Full Guillotine Cut + Presenter **TUP542:** Full Guillotine Cut	Full / Partial Guillotine Cut	Full / Partial Guillotine Cut	Full / Partial Guillotine Cut
Paper Width	**Thermal:** 80mm (76, 58mm with Guide) **Matrix:** 68 ~ 230mm	45 ~ 82.5mm Adjustable	58mm / 60mm	58mm / 60mm / 80mm / 83mm	80mm / 83mm / 112mm
Interface	Serial, Parallel, USB, PoweredUSB, Ethernet	Serial, Parallel, USB, Ethernet (TUP500 only)	Dual Serial (RS232C) & USB (V2.0 FULL SPEED)	Dual Serial (RS232C) & USB (V2.0 FULL SPEED)	Dual Serial (RS232C) & USB (V2.0 FULL SPEED)
Power Supply	External, PS60 (Excluded)	External, PS60 (Excluded)	External, PS60 & CB-SK1-D3 (Excluded)	External, PS60 & CB-SK1-D3 (Excluded)	External, PS60 & CB-SK1-D3 (Excluded)
Reliability	**Thermal:** 60 Million Lines **Slip:** 37 Million Lines	60 Million Lines	200 Million Pulses	200 Million Pulses	200 Million Pulses
Dimensions (w x d x h) mm	186 x 177 x 296	160.0 x 234.1 x 179.0	**SK1-211:** 104 x 137 x 79 **SK1-221:** 104 x 137.3 x 70 **SK1-24:** 99 x 118 x 123	**SK1-311:** 127 x 137 x 79 **SK1-321:** 128 x 137 x 75	**SK1-41:** 160.9 x 159.3 x 88.1
Included with Printer	Start Up Paper Roll, Ribbon Cartridge, Paper Guide, Power Switch, Ferrite Core				
Optional Accessories	External Power Supply (PS60A), No MICR Version, MICR Top Position, MICR Bottom Position (HSP7743 Standard)	External Power Supply (PS60A), TUP542 Presenter Unit (PR521), Large Paper Roll Holder (RHU-T500), Thermal Printer Mechanism (TMP542), Flashing LED Bezel	External Power Supply (PS60A-24C), Bezel Paper Detector, Adjustable External Large Paper Roll Holder, LED Bezel, Sanei Serial Connector	External Power Supply (PS60A-24C), Bezel Paper Detector, Adjustable External Large Paper Roll Holder, LED Bezel, Sanei Serial Connector	Universal 24VDC Output Power Supply, Power cable adapter

STAR PRINTER SERIES	SM-L200	SM-S230i	SM-L300	SM-T300 / SM-T300i	SM-T400i
Printer Speed	35mm/sec.	80mm/sec.	65mm/sec.	75mm/sec.	80mm/sec.
Autocutter	Tear Bar	Tear Bar	Tear Bar	Tear Bar	Tear Bar
Paper Width	58mm	58mm	40mm ~ 80 mm Adjustable	80mm	112mm
Interface	Bluetooth 3.0, BLE (4.0)	Bluetooth Ver 2.1 + EDR Class 2 (10m), USB 2.0	Bluetooth 3.0 BLE (4.0), USB 2.0	Serial, Bluetooth SPP & iAP (iOS Standard), WLAN	Serial, Bluetooth SPP & iAP (iOS Standard)
Power Supply	13 hours Rechargeable Battery Charger included	17 hours Rechargeable Battery Charger included	43 hours Rechargeable Battery Charger not included	26 hours Rechargeable Battery Charger included	30 hours Rechargeable Battery Charger included
Reliability	37 Million Lines	37 Million Lines	37 Million Lines	37 Million Lines	37 Million Lines
Dimensions (w x d x h) mm	83 x 122.5 x 44	80 x 44 x 114	119.1 x 146.4 x 69.0	120 x 58 x 130	151 x 136 x 63
Included with Printer	Battery Pack, USB Cable, Belt Clip, Paper Roll, Safety Instruction Sheet	Battery Pack, Battery Charger, USB Cable, Belt Clip, Paper Roll, Safety Instruction Sheet	Battery Pack, USB Cable, Belt Clip, Paper Roll, Safety Instruction Sheet	AC Adapter, Battery, Serial Cable, Start Up Paper Roll	AC Adapter, Battery, Serial Cable, Start Up Paper Guide
Optional Accessories	USB Power Adapter (5V)	Car Charger, 4 Unit Battery Charger, Extra Battery Pack, Extra Battery Charger, Extra Battery Set, USB Cable	Charging Cradle	Shoulder Strap, Car Charger, Extra Battery Pack, Extra Battery Charger, 4 Unite Charger	Shoulder Strap, Car Charger

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Star Micronics America, Inc.
848-216-3300
sales@starmicronics.com
www.starmicronics.com