



## DS/LI/LS4278 DS6878 Technical Accessory Guide



NOTE: DS6878-SR discontinued 5/2017 - see PMB 2936  
DS6878-HC discontinued 7/2017 - see PMB 2936  
LS4278 discontinued 9/2012 - see PMB 2114

NOTE: This document is only for general reference. Solutions Pathway and related PMBs should be used for product availability, pricing, and final solution selection.

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### Cradles

Part Number		Description	Notes	Required Items
CR0078-PC1F007WR		Presentation Charging/Communication Cradle - Black	<ul style="list-style-type: none"> <li>▶ LI4278 or DS6878 will operate in Presentation Mode</li> <li>▶ FIPS certified</li> <li>▶ DS6878 can perform image capture and image transfer images up to 4.25 in x 6 in.</li> <li>▶ Supports OCR</li> <li>▶ Provides longer BT range than CR0078-SC (440 ft. line of sight vs. 330 ft)</li> <li>▶ Provides pager button for beeping scanner when lost.</li> <li>▶ Pair up to 7 scanners per cradle</li> </ul>	<ul style="list-style-type: none"> <li>▶ Communication Cable</li> <li>▶ Power Supply (PWR-BGA12V50W0WW and CBL-DC-375A1-01)</li> <li>▶ AC Line Cord (23844-00-00R).</li> </ul>
CR0078-PC1F09BWR		Presentation Charging/Communication Cradle - Healthcare Blue	<ul style="list-style-type: none"> <li>▶ LI4278 or DS6878 will operate in Presentation Mode</li> <li>▶ FIPS certified</li> <li>▶ DS6878 can perform image capture and image transfer images up to 4.25 in x 6 in.</li> <li>▶ Supports OCR</li> <li>▶ Disinfectant-ready resistance to chemical cleaning agents</li> <li>▶ Provides longer BT range than CR0078-SC (440 ft. line of sight vs. 330 ft)</li> <li>▶ Provides pager button for beeping scanner when lost.</li> <li>▶ Pair up to 7 scanners per cradle</li> </ul>	<ul style="list-style-type: none"> <li>▶ Communication Cable</li> <li>▶ Power Supply (PWR-BGA12V50W0WW and CBL-DC-375A1-01)</li> <li>▶ AC Line Cord (23844-00-00R).</li> </ul>
CR0078-SC10007WR CR0078-SC10007CN (for use in mainland China only)		Charging/Communication Cradle - Black	<ul style="list-style-type: none"> <li>▶ Pair up to 3 scanners per cradle</li> </ul>	<ul style="list-style-type: none"> <li>▶ Communication Cable</li> <li>▶ May require Power Supply (PWR-WUA5V4W0US or similar country specific) depending on communication cable selected.</li> </ul>
CR0078-SC10001WR		Charging/Communication Cradle - White	<ul style="list-style-type: none"> <li>▶ Pair up to 3 scanners per cradle</li> </ul>	<ul style="list-style-type: none"> <li>▶ Communication Cable</li> <li>▶ May require Power Supply (PWR-WUA5V4W0US or similar country specific) depending on communication cable selected.</li> </ul>
CR0078-SC1009BWR		Charging/Communication Cradle - Healthcare White/Blue	<ul style="list-style-type: none"> <li>▶ Disinfectant-ready resistance to chemical cleaning agents</li> <li>▶ Pair up to 3 scanners per cradle</li> </ul>	<ul style="list-style-type: none"> <li>▶ Communication Cable</li> <li>▶ May require Power Supply (PWR-WUA5V4W0US or similar country specific) depending on communication cable selected.</li> </ul>
CR0008-SC10007R		Charge Only Cradle - Black	<ul style="list-style-type: none"> <li>▶ Can't be powered via USB cable</li> </ul>	<ul style="list-style-type: none"> <li>▶ Power Supply (PWR-WUA5V4W0US or similar country specific)</li> </ul>

## Communication Cables








Zebra associates and partners can also see Zebra's Universal Cable Guide at:

[https://partnerportal.zebra.com/PartnerPortal/product\\_services/downloads\\_z/barcode\\_scanners/Universal-Cable-Guide-Bar-Code-Scanners.xlsx](https://partnerportal.zebra.com/PartnerPortal/product_services/downloads_z/barcode_scanners/Universal-Cable-Guide-Bar-Code-Scanners.xlsx)











Standard USB Cables					
Non-Shielded USB Cable Part Number (used on CR0078-SC cradles)	Shielded USB Cable Part Number (only used on CR0078-PC cradles)	Picture	Description	Notes	Required Items
CBA-U01-S07ZAR	CBA-U21-S07ZBR		USB Cable: Series A Connector, 7ft. Straight		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
	CBA-U21-S07ZAR - to be replaced by CBA-U21-S07ZBR after stock is used up - PMB 3003				
CBA-U16-S08PAR	N/A		USB Cable: Series A Connector, 8ft. Straight, Powered	<ul style="list-style-type: none"> <li>▶ Cable can be used when host device doesn't provide enough power on USB port or to provide power to scanner while host is turned off.</li> <li>▶ Can be used with DS3508-ER and VC5090</li> </ul>	<ul style="list-style-type: none"> <li>▶ 12V external power supply - Power Supply (PWR-BGA12V50W0WW and CBL-DC-375A1-01)</li> <li>▶ AC Line Cord (23844-00-00R)</li> </ul>
CBA-U30-S15ZBR (cable ties shield to ground which allows it to be used with scanners requiring Non-Shielded or Shielded cables)	CBA-U30-S15ZBR (has heavier gauge wire vs. CBA-U30-S15ZAR, can support 5V and 12V power, scanner dependent)		USB Cable: Series A Connector, 15ft. Straight		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-U10-S15ZAR	CBA-U30-S15ZAR ▶ Discontinued 2/2019, now use CBA-U30-S15ZBR - see PMB 10044				
CBA-U12-C09ZAR	CBA-U32-C09ZAR		USB Cable: (Series A Connector, 9ft. Coiled)		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-U09-C15ZAR	CBA-U29-C15ZBR (has heavier gauge wire vs. CBA-U29-C15ZAR, can support 5V and 12V power, scanner dependent)		USB Cable: Series A Connector, 15ft. Coiled		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
	CBA-U29-C15ZAR ▶ Discontinued 4/2020, now use CBA-U29-C15ZBR - see PMB 10343				
CBA-U06-S09EAR	CBA-U26-S09EAR		USB Cable:EAS, Series A Connector, 9ft. Straight	Integrates with Checkpoint EAS security tag system	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
IBM POS USB Cables					
Non-Shielded USB Cable Part Number (used on all but FIPS 3578 cradles)	Shielded USB Cable Part Number (only used on FIPS 3578 cradles)	Picture	Description	Notes	Required Items
CBA-U23-S07ZBR (cable ties shield to ground which allows it to be used with scanners requiring Non-Shielded or Shielded cables)	CBA-U23-S07ZBR (has heavier gauge wire vs. CBA-U23-S07ZAR, can support 5V and 12V power, scanner dependent)		USB Cable: Power Plus Connector, 7ft. Straight		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
	CBA-U03-S07ZAR				
CBA-M02-S07ZAR	N/A		USB Cable: Power Plus Connector, Y power, 7 ft. Straight	<ul style="list-style-type: none"> <li>▶ Cable used to provide communications and power to Presentation Cradles (CR0078-PC1F007WR or CR0078-PC1F09BWR)</li> <li>▶ Note: cable SKU is listed as IBM 468x/469x but it is a Power Plus USB cable.</li> </ul>	

CBA-U35-S15ZBR (cable ties shield to ground which allows it to be used with scanners requiring Non-Shielded or Shielded cables)	CBA-U35-S15ZBR (has heavier gauge wire vs. CBA-U35-S15ZAR, can support 5V and 12V power, scanner dependent)		USB Cable: Power Plus Connector, 15ft. Straight		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-U15-S15ZAR	CBA-U35-S15ZAR Discontinued 2/2019, now use CBA-U35-S15ZBR - see PMB 10044				
CBA-U14-C09ZAR Discontinued 10/31/2012, PMB 2152	CBA-U34-C09ZAR		USB Cable: Power Plus Connector, 9ft. Coiled		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-U08-C15ZAR	CBA-U28-C15ZBR (has heavier gauge wire vs. CBA-U28-C15ZAR, can support 5V and 12V power, scanner dependent) CBA-U28-C15ZAR Discontinued 4/2020, now use CBA-U28-C15ZBR - see PMB 10343		USB Cable: Power Plus Connector, 15ft. Coiled		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-U07-S09EAR	CBA-U27-S09EAR		USB Cable: Power Plus Connector, 9ft. Straight with EAS	Integrates with Checkpoint EAS security tag system	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.





**RS232 Cables**

Part Number	Picture	Description	Notes	Required Items
CBA-R01-S07PBR		RS232 Cable:STD-DB9 Female, TxD on 2, 7ft. Straight	Includes improved TTL current limit protection circuitry vs. CBA-R01-S07PAR	Requires external power supply
CBA-R02-C09PAR		RS232 Cable:STD-DB9 Female, TxD on 2, 9ft. Coiled		Requires external power supply
CBA-R03-C12PAR		RS232 Cable:STD-DB9 Female, TxD on 2, 12ft. Coiled		Requires external power supply
CBA-R06-C20PBR		RS232 Cable:STD-DB9 Female, TxD on 2, 20ft. Coiled	Includes improved TTL current limit protection circuitry vs. CBA-R06-C20PAR	Requires external power supply
CBA-R49-C09ZAR		RS232 Cable: True Cvr, DB9 Female, Pwr Pin 9, TxD on 2, 9ft. Coiled - Freezer Rated	Cable and strain relief are rated for freezer environment use (-30°C). Cable provides ±12V signaling (RS232C) needed by some older PLC's which may not support TTL signalling	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R46-C09ZBR		RS232 Cable: True Cvr, DB9 Female, Pwr Pin 9, TxD on 2, 9ft. Coiled	Cable provides ±12V signaling (RS232C) needed by some older PLC's which may not support TTL signalling	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R37-C09ZBR		RS232 Cable: STD-DB9 Female, PWR Pin 9, 9ft coiled	Includes improved TTL current limit protection vs. CBA-R37-C09ZAR.	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.

CBA-R32-S07PAR		RS232 Cable: True Cvr, DB9 Female, TxD on 2, 7ft. Straight	► Cable provides $\pm 12V$ signaling (RS232C) needed by some older PLC's which may not support TTL signalling	Requires external power supply
<b>Siemens Nixdorf Beetle POS Terminal RS232 Cables</b>				
Part Number	Picture	Description	Notes	Required Items
CBA-R08-S07ZBR		RS232 Cable: Nixdorf Beetle-5V Direct Power Cable 7ft. Straight	► Includes improved TTL current limit protection circuitry vs. CBA-R08-S07ZAR	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R09-C09ZAR		RS232 Cable: Nixdorf Beetle-5V Direct Power Cable 9ft. Coiled		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R10-S07ZBR		RS232 Cable: Nixdorf Beetle-12V Direct Power, 7ft. Straight	► Includes improved TTL current limit protection circuitry vs. CBA-R10-S07ZAR	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R41-S12ZAR		RS232 Cable: Nixdorf Beetle-12V Direct Power, 12ft. Straight		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R14-C20ZAR		RS232 Cable: Nixdorf Beetle, 20ft. Coiled		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R43-C20ZAR		RS232 Cable: Nixdorf Beetle, DB25, 20ft. Coiled		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-R13-S09EAR		RS232 Cable: Nixdorf Beetle-12V Direct Power, 7ft. Straight., with EAS	Integrates with Checkpoint EAS security tag system	Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
<b>Other POS Terminal RS232 Cables</b>				
Part Number	Picture	Description	Notes	Required Items
CBA-R23-S07ZBR		RS232 Cable: Fujitsu Team POS 500 ICL , 7ft straight	► Includes improved TTL current limit protection circuitry vs. CBA-R23-S07ZAR	
CBA-R22-C09ZAR		RS232 Cable: Fujitsu Team POS 500 ICL, 9ft coiled		
CBA-R24-C20ZAR		RS232 Cable: Fujitsu Team POS 500 ICL, 20ft Coiled		


CBA-R31-C09ZAR		CBL:RS232 (NCR7448) 9FT,CLD		
CBA-R47-C09ZAR		CBL:RS232 (NCR AUX PORT) 9FT, CLD		
25-32465-26		RS232 Cable: Datalogic Magellan scanner Auxiliary Port, 6ft Coiled		
CBA-R28-C09ZAR		RS232 Cable: Verifone Ruby, 9ft, Coiled		
<b>Keyboard Wedge Cables</b>				
<b>Part Number</b>	<b>Picture</b>	<b>Description</b>	<b>Notes</b>	<b>Required Items</b>
CBA-K01-S07PAR		Keyboard Wedge Cable: PS/2, Power Port, 7ft. Straight	Host can provide enough power on PS2 port for scanner, however, Zebra recommends using an external power supply to protect the host's PS2 port.	
CBA-K02-C09PAR		Keyboard Wedge Cable: PS/2, Power Port, 9ft. Coiled	Host can provide enough power on PS2 port for scanner, however, Zebra recommends using an external power supply to protect the host's PS2 port.	
CBA-K08-C20PAR		Keyboard Wedge Cable: PS/2, Power Port, 20ft. Coiled	Host can provide enough power on PS2 port for scanner, however, Zebra recommends using an external power supply to protect the host's PS2 port.	
<b>IBM 468x/469x POS Cables</b>				
<b>Part Number</b>	<b>Picture</b>	<b>Description</b>	<b>Notes</b>	<b>Required Items</b>
CBA-M04-S07ZAR		IBM 468x/9x, Port 5B Cable, 7ft. Straight		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-M01-S07ZAR		IBM 468x/9x, Port 9B Cable, 7ft. Straight		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
CBA-M02-C09ZAR		IBM 468x/9x, Port 9B Cable, 9ft. Coiled		Does not require external power supply on CR0078-SC unless host will be powered off and charging of 4278/6878 is still required.
<b>Terminal Specific Cables</b>				

P1031365-057		Scanner to QLn/ZQ6 Series Printer Cable	<ul style="list-style-type: none"> <li>▶ Allows scanner to be directly connected to serial port on QLn or ZQ6 series printers.</li> <li>▶ Serial port on printer will power the scanner</li> <li>▶ 41" long when extended</li> </ul>	
CBA-A51-S16ZAR		Auxiliary Scanner Cable to MP6000/MP7000, RS232 Serial	<ul style="list-style-type: none"> <li>▶ Allows handheld scanners to be used with MP6000/MP7000 for scanning heavy/awkward items.</li> <li>▶ 5 meter length</li> <li>▶ RS232 serial connection to scanner</li> <li>▶ Connects to AUX2 port on MP6000/MP7000</li> <li>▶ Provides power to corded scanners</li> <li>▶ NOTE: MP6000/MP7000 supports maximum of 2 auxiliary scanners.</li> </ul>	
<b>Synapse Adapter Cables    NOTE: Not supported with CR0078-PC (Presentation Cradle)</b>				
CBA-S01-S07ZAR		Synapse Adapter Cable: 7ft. Straight		May require external power supply depending on Synapse adapter chosen
CBA-S05-S09EAR		Synapse Adapter Cable with EAS 9ft. Straight	Integrates with Checkpoint EAS security tag system	
<b>Misc</b>				
<b>Part Number</b>	<b>Picture</b>	<b>Description</b>	<b>Notes</b>	<b>Required Items</b>
20-70774-02R		Intellistand (Black color)		
20-70774-01R		Intellistand (White color)		
20-70777-01R		Desk Holder		
11-66553-06R		Wall Mount Holder		
21-135001-01		Wall Mount bracket for CR0078-SC and CR0008-SC Cradles		

(3rd party) * <a href="http://www.ultimacase.com">http://www.ultimacase.com</a>	Agora Edge website	Additional Holsters		
(3rd party) * <a href="http://logisterra.com">http://logisterra.com</a>	Logisterra website	Additional Holsters/Boots		
50-12500-066		Wrist Lanyard	Attaches to inside of battery latch door	
(3rd party) * <a href="http://www.sensomatic.com">http://www.sensomatic.com</a>		Sensomatic Mobile Handheld Deactivator	<ul style="list-style-type: none"> <li>▶ Designed to attach to DS6878 ONLY for an all-in-one mobile scanner/deactivation solution.</li> <li>▶ After scanning merchandise, the deactivator emits a visual and an audible signal to confirm successful AM label deactivation. When lit, the indicator light alerts cashiers that an active label is still in the deactivator's range. This level of intelligence and control helps prevent sweethearting, scan avoidance and merchandise switching.</li> <li>▶ The mobility feature allows cashiers to scan and deactivate heavy, bulky merchandise in the shopping cart to help improve checkout throughput, reduce nuisance EAS alarms at the door, and minimize heavy-lifting related injuries. As a result, the deactivator contributes to a greater flexibility and safety for store associates, as well as faster checkout and increased customer satisfaction.</li> <li>▶ Includes cradle adapter for the 6878 cradle that allows both the DS6878 and Handheld Deactivator to be cradled and charged simultaneously.</li> </ul>	
<b>Power Supplies/Power Cords</b>				
<b>For powering corded scanners and CR0008-SC and CR0078-SC cradles</b>				
PWR-WUA5V4W0US		Power Supply (US)	<ul style="list-style-type: none"> <li>▶ Used when connecting communication cables labeled above as "Requires external power supply" - including CR0008-SC and CR0078-SC cradles.</li> <li>▶ For use in US, CA, MX, JP, TW.</li> <li>▶ 5.2V, 1.1A, 5.7W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces PWRS-14000-253R</li> </ul>	
PWR-WUA5V4W0IN		Power Supply (India)	<ul style="list-style-type: none"> <li>▶ Used when connecting communication cables labeled above as "Requires external power supply" - including CR0008-SC and CR0078-SC cradles.</li> <li>▶ For use in India.</li> <li>▶ 5.2V, 1.1A, 5.7W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces PWRS-14000-254R</li> </ul>	

PWR-WUA5V4W0BR		Power Supply (Brazil)	<ul style="list-style-type: none"> <li>▶ Used when connecting communication cables labeled above as "Requires external power supply" - including CR0008-SC and CR0078-SC cradles.</li> <li>▶ For use in Brazil.</li> <li>▶ 5.2V, 1.1A, 5.7W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces PWRS-14000-255R</li> </ul>	
PWR-WUA5V4W0EU		Power Supply (EU and UK)	<ul style="list-style-type: none"> <li>▶ Used when connecting communication cables labeled above as "Requires external power supply" - including CR0008-SC and CR0078-SC cradles.</li> <li>▶ For use in EU and UK.</li> <li>▶ 5.2V, 1.1A, 5.7W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces PWRS-14000-256R</li> </ul>	
PWR-WUA5V4W0CN		Power Supply (China)	<ul style="list-style-type: none"> <li>▶ Used when connecting communication cables labeled above as "Requires external power supply" - including CR0008-SC and CR0078-SC cradles.</li> <li>▶ For use in China.</li> <li>▶ 5.2V, 1.1A, 5.7W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces PWRS-14000-257R</li> </ul>	
PWR-WUA5V4W0AU		Power Supply (Australia)	<ul style="list-style-type: none"> <li>▶ Used when connecting communication cables labeled above as "Requires external power supply" - including CR0008-SC and CR0078-SC cradles.</li> <li>▶ For use in Australia.</li> <li>▶ 5.2V, 1.1A, 5.7W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces PWRS-14000-258R</li> </ul>	
PWRS-14000-058R		Power Supply (Universal)	<ul style="list-style-type: none"> <li>▶ 100-250 VAC, 5.2VDC, 2A</li> <li>▶ Energy Star Compliant</li> <li>▶ Can be used as alternative to PWRS-14000-25xR power supplies.</li> </ul>	23844-00-00
23844-00-00R		AC Line Cord		
<b>For powering CR0078-PC Presentation Cradle</b>				
CBL-DC-375A1-01		DC Power Cord	<ul style="list-style-type: none"> <li>▶ Used along with Power Supply PWR-BGA12V50W0WW to power CR0078-PC Presentation Cradle.</li> </ul>	
PWR-BGA12V50W0WW		Power Supply	<ul style="list-style-type: none"> <li>▶ Used to power CR0078-PC Presentation Cradle.</li> <li>▶ 100-240 VAC, 12V, 4.16A, 50W</li> <li>▶ Provides US DOE Level VI compliance for power efficiency.</li> <li>▶ Replaces PWRS-14000-148R</li> </ul>	DC Line Cord (CBL-DC-375A1-01) and AC Line Cord (23844-00-00R)
23844-00-00R		AC Line Cord		
<b>Batteries</b>				
<b>Part Number</b>	<b>Picture</b>	<b>Description</b>	<b>Notes</b>	<b>Required Items</b>



BTRY-LS42RAA0E-01		4278 Spare Battery		
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