

DS22xx Technical Accessory Guide

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

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Cradles

Part Number	Picture	Description	Notes	Required Items
CR2278-PC10004WW		Presentation Charging/Communication Cradle - Black	▸Provides radio and charging capabilities ▸One scanner can be paired per cradle. ▸Only compatible with DS2278	Host communication cable and possibly a power supply depending on the host cable type.

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

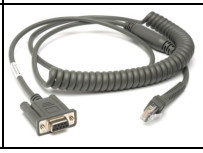
Standard USB Cables

Non-Shielded USB Cable Part Number (recommend using Shielded cable instead for maximum ESD protection)	Shielded USB Cable Part Number	Picture	Description	Notes	Required Items
CBA-U01-S07ZAR	CBA-U21-S07ZBR CBA-U21-S07ZAR - to be replaced by CBA-U21-S07ZBR after stock is used up - PMB 3003		USB Cable: Series A Connector, 7ft. Straight	Can also be used with USB Power Supply (PWRWUA5V6W0WW) and Presentation Cradle to create a "charge-only" cradle solution.	
CBA-U10-S15ZAR	CBA-U30-S15ZBR (has heavier gauge wire vs. CBA-U30-S15ZAR, can support 5V and 12V power, scanner dependent) CBA-U30-S15ZAR ▸Discontinued 2/2019, now use CBA-U30-S15ZBR - see PMB 10044		USB Cable: Series A Connector, 15ft. Straight		
CBA-U12-C09ZAR	CBA-U32-C09ZAR		USB Cable: (Series A Connector, 9ft. Coiled)		
CBA-U09-C15ZAR	CBA-U29-C15ZAR		USB Cable: Series A Connector, 15ft. Coiled		

IBM POS USB Cables

Non-Shielded USB Cable Part Number (recommend using Shielded cable instead for maximum ESD protection)	Shielded USB Cable Part Number	Picture	Description	Notes	Required Items
CBA-U03-S07ZAR	CBA-U23-S07ZBR (has heavier gauge wire vs. CBA-U23-S07ZAR, can support 5V and 12V power, scanner dependent) CBA-U23-S07ZAR ▸Discontinued 2/2019, now use CBA-U23-S07ZBR - see PMB 10044		USB Cable: Power Plus Connector, 7ft. Straight		

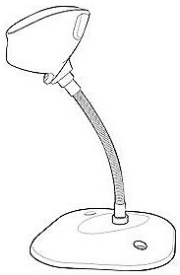
CBA-U15-S15ZAR	CBA-U35-S15ZBR (has heavier gauge wire vs. CBA-U35-S15ZAR, can support 5V and 12V power, scanner dependent) CBA-U35-S15ZAR ▸Discontinued 2/2019, now use CBA-U35-S15ZBR - see PMB 10044		USB Cable: Power Plus Connector, 15ft. Straight		
CBA-U14-C09ZAR ▸Discontinued 10/31/2012, PMB 2152	CBA-U34-C09ZAR		USB Cable: Power Plus Connector, 9ft. Coiled		
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		USB Cable: Power Plus Connector, 15ft. Coiled		

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-R06-C20PAR		RS232 Cable:STD-DB9 Female, TxD on 2, 20ft. Coiled		Requires external power supply
CBA-R49-C09ZAR		RS232 Cable: True Cvtr, STD-DB9 Female, PWR Pin 9, 9ft coiled - Freezer Rated	▸This cable is recommended for use with the VC70. ▸Cable provides ±12V signaling (RS232C) needed by some older PLC's which may not support TTL signalling ▸Cable and strain relief are rated for freezer environment use (-30°C) and is recommended for use with all VC70 installations, regardless of temperature in the environment. ▸NOTE: DS22xx not designed to be used in freezer environments.	
CBA-R46-C09ZBR		RS232 Cable: True Cvtr, 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	

CBA-R37-C09ZBR		RS232 Cable: STD-DB9 Female, PWR Pin 9, 9ft coiled	▸This cable is recommended for use with the VH10, VC80, 8585/8595, and 8515. ▸CBA-R49-C09ZAR is recommended to be used with VC70. ▸Includes improved TTL current limit protection vs. CBA-R37-C09ZAR.	
CBA-R37-C09ZAR		RS232 Cable: STD-DB9 Female, PWR Pin 9, 9ft coiled	▸This cable is recommended for use with the VH10, VC80, 8585/8595, and 8515. ▸CBA-R49-C09ZAR is recommended to be used with VC70. ▸Includes improved strain relief design over CBA-R36-C09ZAR.	
CBA-R73-C09ZAR		RS232 Cable: True Cvtr, DB9 Male, 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	
CBA-R32-S07PAR		RS232 Cable: True Cvtr, DB9 Female, TxD on 2, 7ft. Straight	▸Cable provides ±12V signaling (RS232C) needed by some older PLC's which may not support TTL signalling	Requires external power supply
Siemens Nixdorf Beetle POS Terminal RS232 Cables				
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	
CBA-R09-C09ZAR		RS232 Cable: Nixdorf Beetle-5V Direct Power Cable 9ft. Coiled		
CBA-R10-S07ZBR		RS232 Cable: Nixdorf Beetle-12V Direct Power, 7ft. Straight	▸Includes improved TTL current limit protection circuitry vs. CBA-R10-S07ZAR	
CBA-R14-C20ZAR		RS232 Cable: Nixdorf Beetle, 20ft. Coiled		
CBA-R43-C20ZAR		RS232 Cable: Nixdorf Beetle, DB25, 20ft. Coiled		
Other POS Terminal RS232 Cables				
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: PSC Magellan scanner Auxiliary Port, 6ft Coiled		
CBA-R28-C09ZAR		RS232 Cable: Verifone Ruby, 9ft, Coiled		
Keyboard Wedge Cables				
Part Number	**Picture**	**Description**	**Notes**	**Required Items**
CBA-K61-S07PAR		Keyboard Wedge Cable: PS/2, Host Auto-Detect, 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. ▸Supports host auto-detect so configuration barcode is not needed to put device into Keyboard Wedge mode.	
CBA-K62-C09PAR		Keyboard Wedge Cable: PS/2, Host Auto-Detect, 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. ▸Supports host auto-detect so configuration barcode is not needed to put device into Keyboard Wedge mode.	
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. ▸Does not provide auto-host detection.	
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. ▸Does not provide auto-host detection.	
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. ▸Does not provide auto-host detection.	
IBM 468x/469x POS Cables				
Part Number	**Picture**	**Description**	**Notes**	**Required Items**
CBA-M64-S07ZAR		IBM 468x/9x, Port 5B Cable, 7ft. Straight	▸Port 5B connection provides 5V power. ▸Supports host auto-detect so configuration barcode is not needed to put device into IBM Host mode.	

CBA-M61-S07ZAR		IBM 468x/9x, Port 9B Cable, 7ft. Straight	‣Port 9B connection provides 5V power. ‣Supports host auto-detect so configuration barcode is not needed to put device into IBM Host mode.	
Scanner Emulation Cables - *Not supported on DS22xx*				
Synapse Adapter Cables - Not supported on DS22xx				
Terminal Specific Cables				
P1031365-057		Scanner to QLn/ZQ6 Series Printer Cable	‣Allows scanner to be directly connected to serial port on QLn or ZQ6 series printers. ‣Serial port on printer will power the scanner ‣41" long when extended	
CBA-A51-S16ZAR		Auxillary Scanner Cable to MP6000/MP7000, RS232 Serial	‣Allows handheld scanners to be used with MP6000/MP7000 for scanning heavy/awkward items. ‣5 meter length ‣RS232 serial connection to scanner ‣Connects to AUX2 port on MP6000/MP7000. ‣Provides power to corded scanners. ‣NOTE: MP6000/MP7000 supports maximum of 2 auxillary scanners.	
Misc				
Part Number	**Picture**	**Description**	**Notes**	**Required Items**
STND-GS00UNC-04		Universal Gooseneck Intellistand (Black color)	‣Stand is compatible with LS2208, LI2208, LS4208, DS4208, DS4308, DS2208, DS8108 ‣Stand has scanner trigger magnets in both nose and base. ‣Not compatible with DS2278	
20-71043-04R		Gooseneck Intellistand (Black color)	‣Stand is compatible with DS4308, DS2208, and DS8108 ‣Not compatible with DS2278	

20-71043-0BR		Gooseneck Intellistand (White color)	▸Typically used with Heathcare (HC) versions of scanner. ▸Stand is compatible with DS4308, DS4608, DS2208, and DS8108.	
22-71043-0BR		Weighted Gooseneck Intellistand (White color)	▸Stand feature a weighted base. ▸Typically used with Heathcare (HC) versions of scanner. ▸Stand is compatible with DS4308, DS4608, DS2208, and DS8108.	

Power Supplies/Power Cords

Part Number	Picture	Description	Notes	Required Items
25-MCXUSB-01R		Micro USB Cable	▸Used to charge DS2278 without the need for a cradle. ▸Cable plugs into micro-USB port on the bottom of the scanner. ▸Cable will charge battery to 14 hours of scanner usage in 1 hour when charging via PC USB port or in 1/2 hour when using USB Power Supply (PWR-WUA5V6W0WW) ▸NOTE: Other micro USB cables (i.e. 25-124330-01R) may not fit on the USB port on the DS2278.	If scanner will not be charged via USB port on PC, use USB Power Supply (PWR-WUA5V6W0WW) and country specific AC Clip (if needed)
PWR-WUA5V6W0WW		USB Power Supply	▸Can be used to charge DS2278 directly from its micro-USB port or can be used to power Presentation Cradle to create a "charge-only" cradle solution for customers wanting to pair DS2278 directly to host. ▸Includes four international plugs for use in US, UK, EU, and AU. Additional plugs can be purchased separately for other countries. ▸5.2V, 1.2A, 6W output ▸Provides US DOE Level VI compliance for power efficiency	<u>To charge DS2278 directly from micro-USB port:</u> Micro USB Cable (25-MCXUSB-01R) <u>To power Presentation Cradle:</u> Presentation Cradle (CR2278-PC10004WW) AND USB Cable (CBA-U21-S07ZBR)
CN-000803-01		<u>Spare/Replacement</u> USB Power Supply AC Clip for Australia (AUS)	▸This AC Clip is normally included with PWR-WUA5V6W0WW ▸2 pin Australia plug	USB Power Supply (PWR-WUA5V6W0WW)
CN-000803-02		USB Power Supply AC Clip for Argentina (ARG)		USB Power Supply (PWR-WUA5V6W0WW)
CN-000803-03		USB Power Supply AC Clip for Korea (KOR)		USB Power Supply (PWR-WUA5V6W0WW)
CN-000803-04		<u>Spare/Replacement</u> USB Power Supply AC Clip for US (US)	▸This AC Clip is normally included with PWR-WUA5V6W0WW ▸2 pin US plug	USB Power Supply (PWR-WUA5V6W0WW)

CN-000803-05		Spare/Replacement USB Power Supply AC Clip for Europe (EU)	▸This AC Clip is normally included with PWR-WUA5V6W0WW	USB Power Supply (PWR-WUA5V6W0WW)
CN-000803-06		Spare/Replacement USB Power Supply AC Clip for UK (UK)	▸This AC Clip is normally included with PWR-WUA5V6W0WW	USB Power Supply (PWR-WUA5V6W0WW)
CN-000803-07		USB Power Supply AC Clip for China (CHN)	▸straight pins China plug	USB Power Supply (PWR-WUA5V6W0WW)
CN-000803-08		USB Power Supply AC Clip for Brazil (BRA)	▸2 pin Brazil plug	USB Power Supply (PWR-WUA5V6W0WW)
CN-000803-09		USB Power Supply AC Clip for India (IND)		USB Power Supply (PWR-WUA5V6W0WW)
PWR-WUA5V4W0US		Power Supply (US)	▸Used when connecting communication cables labeled above as "Requires external power supply". ▸For use in US, CA, MX, JP, TW. ▸5.2V, 1.1A, 5.7W ▸Provides US DOE Level VI compliance for power efficiency. ▸Replaces PWRS-14000-253R	
PWR-WUA5V4W0IN		Power Supply (India)	▸Used when connecting communication cables labeled above as "Requires external power supply". ▸For use in India. ▸5.2V, 1.1A, 5.7W ▸Provides US DOE Level VI compliance for power efficiency. ▸Replaces PWRS-14000-254R	
PWR-WUA5V4W0BR		Power Supply (Brazil)	▸Used when connecting communication cables labeled above as "Requires external power supply". ▸For use in Brazil. ▸5.2V, 1.1A, 5.7W ▸Provides US DOE Level VI compliance for power efficiency. ▸Replaces PWRS-14000-255R	
PWR-WUA5V4W0EU		Power Supply (EU and UK)	▸Used when connecting communication cables labeled above as "Requires external power supply". ▸For use in EU and UK. ▸5.2V, 1.1A, 5.7W ▸Provides US DOE Level VI compliance for power efficiency. ▸Replaces PWRS-14000-256R	
PWR-WUA5V4W0CN		Power Supply (China)	▸Used when connecting communication cables labeled above as "Requires external power supply". ▸For use in China. ▸5.2V, 1.1A, 5.7W ▸Provides US DOE Level VI compliance for power efficiency. ▸Replaces PWRS-14000-257R	
PWR-WUA5V4W0AU		Power Supply (Australia)	▸Used when connecting communication cables labeled above as "Requires external power supply". ▸For use in Australia. ▸5.2V, 1.1A, 5.7W ▸Provides US DOE Level VI compliance for power efficiency. ▸Replaces PWRS-14000-258R	
PWRS-14000-058R		Power Supply (Universal)	▸100-250 VAC,5.2VDC,2A ▸Energy Star Compliant ▸Can be used as alternative to PWRS-14000-25xR power supplies.	23844-00-00
23844-00-00R		AC Line Cord		
Batteries				

Part Number	Picture	Description	Notes	Required Items
BTRY-DS22EAB0E-00 BTRY-DS22EAB0E-00Y (India only) ▸To be discontinued 1/2020 - see PMB 10261		DS2278 Spare Battery (2400 mAh)	▸Li-Ion Battery ▸Battery capable of providing 110,000 scans at 60 Scans per Minute or 50,000 scans at 10 Scans per Minute (84 hours of use)	