

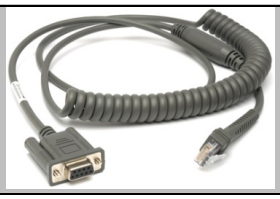
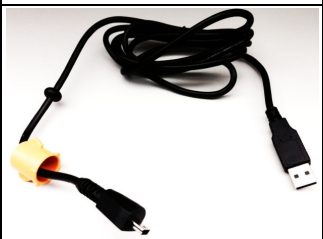
VC8x Series Technical Accessory Guide

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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Communication Cables and Accessories

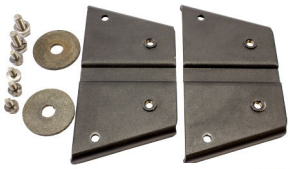
Part Number	Picture	Description	Notes	Required Items
CBA-UF8-C12ZAR		VC8x to 36xx Series Scanner Cable (USB)	‣Cable rated for 1.2A current ‣ Coiled cable is 12 ft long when extended ‣Rated to -30°C for freezer environment use. ‣When connected to STB3678/FLB3678, will charge a fully depleted battery in about 4.5 hours if host USB port is BC 1.2 compatible or about 10.5 hours for USB 2.0 host ports.	
CBA-UF6-C12ZAR		VC8x to 36xx Series Scanner Cable (USB)	‣Cable rated for 1.2A current ‣Coiled cable is 9 ft long when extended (even though SKU indicates 12 ft.) and is about 5 ft. long when un-extended. Use CBA-UF8-C12ZAR for a true 12 ft. length cable. ‣Rated to -30°C for freezer environment use. ‣When connected to STB3678/FLB3678, will charge a fully depleted battery in about 4.5 hours if host USB port is BC 1.2 compatible or about 10.5 hours for USB 2.0 host ports.	
CBA-U12-C09ZAR		Generic Cable to Scanners 34xx/35xx Cable (USB)	‣Provides enough power for DS3508-ER ‣9 ft long when extended	
CBA-U09-C15ZAR		Generic Cable to Scanners 34xx/35xx Cable (USB)	‣Provides enough power for DS3508-ER ‣15 ft long when extended	
CBA-R71-C09ZAR		VC8x to 36xx Series Scanner Cable (Serial)	‣VC8x provides power to scanner on pin 9 (COM 1 port) ‣Provides enough power for DS3608-ER in default power mode. ‣9 ft. coiled cable	
CBA-RF2-C09ZAR		VC8x to 36xx Series Scanner Cable (Serial) (Freezer Rated)	‣Rated to -30°C for freezer environment use. ‣VC8x provides power to scanner on pin 9 (COM 1 port) ‣Provides enough power for DS3608-ER in default power mode. ‣9 ft. coiled cable	

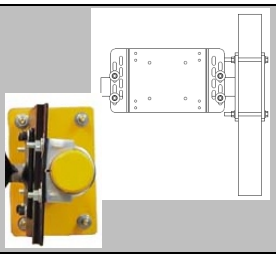
CBA-R37-C09ZBR		VC8x to 34xx/35xx Series Scanner Cable (Serial)	‣VC8x provides power to scanner on pin 9 (COM1 or COM2 port) ‣Provides enough power for DS3508-ER. ‣9 ft. coiled cable ‣Includes improved TTL current limit protection vs. CBA-R37-C09ZAR.	
CBA-R37-C09ZAR		VC8x to 34xx/35xx Series Scanner Cable (Serial)	‣VC8x provides power to scanner on pin 9 (COM1 or COM2 port) ‣Provides enough power for DS3508-ER. ‣9 ft. coiled cable ‣Includes improved strain relief design from CBA-R36-C09ZAR	
CBA-R36-C09ZAR		VC80 to 34xx/35xx Series Scanner Cable (Serial)	‣Discontinued 3/2013, now use CBA-R37-C09ZAR ‣VC80 provides power to scanner on pin 9 (COM1 or COM2 port) ‣Provides enough power for DS3508-ER. ‣9 ft. coiled cable	
KT-SCANMNT-VC80-R		Side Mount Scanner Holder	‣Used to mount an external Scanner (i.e. LS/DS 34xx/35xx) on the side of the VC8x. ‣Eliminates the need for a scanner Tool Balancer/Pulley ‣Two piece solution - bottom piece pictured attaches to side of VC8x. Top piece pictured attaches to bottom piece and holds scanner. ‣Mounting hardware (screws) included. ‣LI36xx/DS36xx will not fit properly in this mount unless it is bent a little to make the bracket/mount wider.	
P1031365-053		QLn Printer Serial Cable	‣Connects to serial port on VC8x ‣6 ft. straight cable	
P1031365-055		QLn Series Printer USB Cable	‣Connects to USB port on VC8x ‣6 ft. straight cable	

M1000		External Push-To-Talk (PTT) Speaker Microphone	‣External side-mount PTT microphone and speaker ‣Enables the device to replace a walkie-talkie by voice-over-IP	
CA1300		Screen Blanking Cable	‣Allows VC8x screen to turn off while vehicle is in motion for enhanced safety ‣Connects to Serial port on VC8x ‣DB9 to open wire ‣Open wires are connected to user/vehicle supplied switch or relay ‣Control Panel option on VC8x enables screen blanking feature.	
CB-000433-01		CAN Bus Cable	‣RJ45 to Deutsch connector ‣Requires VC8x SKU option with CAN-Bus. ‣Not compatible with VC80X or VC8300 (Android) units.	
WA4070	 	Ethernet Adapter for VC80X or VC8300	►USB to Ethernet adapter with USB extension cable ►Compatible with VC80X or VC8300 (Android) units.	
3rd party * http://www.multitech.com/brands/multiconnect-cell-100-series		Cellular/WWAN Gateway	‣Provides cellular connection to VC80 for installations where WiFi may not be available (i.e. spot trucks in yards) ‣Connects to VC80 via USB port. ‣Gateway is powered from VC80 USB port. ‣Supports various cellular carriers - AT&T, Verizon, T-Mobile, Rogers. ‣Not compatible with VC80X or VC8300 (Android) units.	

Misc

Part Number	Picture	Description	Notes	Required Items
MT4200		Quick Release Mount	‣Makes it easy to transfer VC8x to another vehicle or remove it for maintenance/repair. ‣No tools are required to dismount device. ‣Device can be removed in as little as 10 seconds ‣Can be used alone, in combination with the Cantilever Mount (MT1002), or Vesa Plate Base (MT3501) ‣Includes Quick Release Mount that attaches to sides of VC8x and Mounting Plate (MT4205) that attaches to forklift. ‣VC8x can be mounted to Quick Release Mount on an angle for easier viewing. ‣Internal P/N 1917726	

MT4205		Mounting Plate for Quick Release Mount	▸Spare/extra Mounting Plate ▸Allows one VC8x unit to be quickly and easily attached to more than one forklift. ▸Can be mounted to the Cantilever Mount (MT1002) or Vesa Plate Base (MT3501)	Quick Release Mount (MT4200)
KT-U-MOUNT-VC80-R	 	U-Mount Bracket with Adapter	▸Bracket uses the same vehicle mounting holes as the VC5090, VC70 (KT-U-MOUNT-VC70-R) and 8585/8595 (MT3421) U-Mount brackets for easy migration.  ▸Includes Adapter Bracket for legacy U-Mounts (MNT-VC80-ADPA1-1) ▸Includes mounting hardware	
MT3410		Heavy Duty Mount Kit	▸Discontinued 4/2015 ▸Allows VC80 to be angled in three postions, as needed (0°, 15°, and 30°)	Adapter Bracket for 82xx series Quick Release Mount (MT4210)
MNT-VC80-ADPA1-1	 	Adapter Brackets for VC5090 U-Mount Bracket	▸Allows VC8x to be used with the VC5090 U-Mount Bracket (90500116-R) ▸Includes mounting hardware	

MNT-VC80-ADPB1-1		Adapter Brackets for LXE/Honeywell U-Mount Brackets	‣Allows VC8x to be used with LXE/Honeywell U-Mount brackets - HON P/N VM1010BRKTKIT ‣Includes mounting hardware	
MT4210		Adapter Bracket for 82xx series Quick Release Mount	‣Allows VC8x to be used with the 82XX Series Quick Release Mount (PN 18457 for Mount and PN 17529 for Mounting Plate)	
MT1002		Cantilever Mount	‣Discontinued 12/2015 - PMB 2723 ‣Attaches to fork lift pole ‣Includes mounting hardware ‣VC80 can be attached to the mount's VESA plate using: (1) Quick Release Mount (MT4200 and MT4205) or (2) RAM mount arm (MT3501, MT4301/MT4302, and MT4510	
MT4510		RAM Rectangular Base with mounting hardware	‣Base will install directly on the back of the VC8x using included hardware. ‣2"x3" base ‣RAM D-size ball ‣Uses RAM Mount P/N RAM-D-202U-23 and includes hardware for mounting to back of VC8x	Typicallly used along with the following: 1. RAM Double Socket Arm 2. RAM Clamp Base, Rail Base or Round Plate Base. Refer to Common Mounting Systems TAG for details.
MT3501		RAM VESA Plate Base with mounting hardware	‣Attaches to Quick Release Mount (MT4200) and is typically used with the 4" or 12" RAM arm (MT4301 or MT4302) to mount VC8x on any plane. ‣RAM D-size (2.25") ball connected to a 4.75" square plate with 4x100mm holes and 4x75mm holes in each corner. ‣Includes 4 bolts, nuts, and lock washers ‣Uses RAM Mount P/N RAM-D-246 and includes hardware for attaching to MT4200 Quick Release Mount	‣Quick Release Mount (MT4200) Typicallly used along with the following: 1. RAM Double Socket Arm 2. RAM Clamp Base, Rail Base or Round Plate Base. Refer to Common Mounting Systems TAG for details.
KT-SPRTCT-VC70-05R		VC80/VC80X Screen Protector (pack of 5)	‣Compatible with VC80 and VC80X (10" display)	

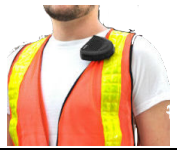
KT-AREFL-VC83-8-1		VC8300 Anti-Reflective Screen Overlay (pack of 3)	▸Compatible with VC8300 (8" display) ▸Foil screen overlay helps minimize reflections from overhead lighting.	
AN2010		External antenna for indoor/outdoor use Dual Band (2.4Ghz/5Ghz)	▸Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▸Dual band, 802.11a/b/g/n/ac, 2 dBi, RPSMA connector, magnetic mount, 2.9 meter cable	
AN2020		External antenna for indoor/outdoor use (2.4Ghz only)	▸Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▸2.4 GHz, 802.11 b/g, 5 dBi, RPSMA connector, magnetic mount, 2.9 meter cable	
AN2030		External antenna for indoor/outdoor use Dual Band (2.4Ghz/5Ghz) Stubby	▸Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▸Whip antenna (stubby), dual band, 802.11 a/b/g/n/ac, 2.4GHz 2dBi, 5GHz 3.7dBi, RPSMA connector ▸Articulating antenna - can be rotated 360 degree and has 3 positive stops: straight, 45° and 90° bend.	
20667-002		External antenna for indoor/outdoor use (2.4Ghz only) Stubby	▸Used when the VC8x is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▸Whip antenna (stubby), 802.11 b/g, 2.4GHz 2dBi, RPSMA connector ▸Antenna does not articulate	
AN000090A01		Spare Active GNSS (GPS) external antenna	▸NOTE: This antenna is already included with VC80 configurations using GPS. ▸Used when the VC80 is used in indoor/outdoor areas where an externally mounted antenna is needed for better coverage. ▸SMA connector, magnetic mount, 2.9 meter cable. ▸Not compatible with VC80X or VC8300 (Android) units.	
AR1000	 	Right Angle SMA reverse polarity plug-jack Adapter	Provides additional direction options for external antennas	

SPR-SMA-DC-10		External Antenna Jack Dust Cover (pack of 10)	‣Used to cover external antenna jacks on top of VC80X or VC8300 unit when the internal antennas are used. ‣Prevents dust and dirt from getting into external antenna jacks. ‣Two dust covers will be needed for each VC80X or VC8300 unit. Pack of 10 covers will supply enough covers for five devices.	
SL0001		Stylus and Stylus Holder		
3rd party * http://www.lindy-usa.com/usb-port-blocker-pack-of-4-color-code-white-40454.html		Locking USB port cover/insert	‣Prevents unauthorized access/use of USB ports on bottom of VC8x ‣Requires "key" to install and remove the USB insert ‣Covers/inserts can be ordered in different colors, each color having a unique "key"	

Headset/Audio Accessories

Part Number	Picture	Description	Notes	Required Items
See HS2100-HS3100 Accessories Document		HS3100 Rugged Bluetooth Headset	‣HD Voice, also known as Wide Band Audio, brings incredible audio clarity ‣Built to handle the everyday inevitable drops ‣Dustproof, sprayproof and waterproof ‣Ready for the freezer and outdoor subzero temperatures ‣Feather-light for extraordinary comfort ‣Noise cancellation for a superior voice experience in the noisiest environments ‣Swap batteries on the fly — without losing the Bluetooth connection ‣Split-second tap-to-pair simplicity using NFC. ‣Detachable swivel boom minimizes costs. ‣Swivelling boom mutes microphone allowing uses to prevent voice pick applications from recognizing non-voice pick conversations. ‣User-replaceable pads and windscreens maximize comfort and hygiene ‣15 hours of battery power	See HS2100/HS3100 Accessories Document for headset accessories
various Bluetooth models B550-XT B350-XT C400-XT C300-XT (3rd party) * http://www.blueparrott.com		BlueParrott Bluetooth Headsets	‣Various Bluetooth models available with options that include: - Blocking out 96% of background noise - Over 24 hours of talk time - NFC Tap to Pair capable - Bluetooth wireless range capable up to 300 ft. - Convertible wearing options: over the head, behind the neck. See BlueParrot site for model specific options.	

3PTY-VXI-B350XT (Zebra orderable SKU) http://www.vxicorp.com		BlueParrott Bluetooth Headset for voice directed applications	‣Discontinued 10/2018, now use HS3100 series - PMB 10005 ‣Used to enable Voice Directed Picking (VDP) or Speech Applications in warehouse environments when the use of a wireless headset is desired ‣Not intended to support peer-to-peer communications (PTT) or VoIP calls. ‣Provides 24 hours talk time. ‣Allows the use of other BT devices (i.e. RS6000 scanner or mobile printer) ‣Zebra Compatible certification for VDP application use with MC32.	
3PTY-VXI-B250XTP (Zebra orderable SKU) http://www.vxicorp.com		BlueParrott Bluetooth Headset for voice directed applications	‣Discontinued 10/2018, now use HS3100 series - PMB 10005 ‣Used to enable Voice Directed Picking (VDP) or Speech Applications in warehouse environments when the use of a wireless headset is desired ‣Not intended to support peer-to-peer communications (PTT) or VoIP calls. ‣Provides 20 hours talk time. ‣Allows the use of other BT devices (i.e. RS6000 scanner or mobile printer)	
3PTY-VXI-EXPWAYII (Zebra orderable SKU) http://www.vxicorp.com		BlueParrott Bluetooth Headset for voice directed applications	‣Discontinued 10/2018, now use HS3100 series - PMB 10005 ‣Used to enable Voice Directed Picking (VDP) or Speech Applications in warehouse environments when the use of a wireless headset is desired ‣Not intended to support peer-to-peer communications (PTT) or VoIP calls. ‣Provides 8 hours talk time. ‣Allows the use of other BT devices (i.e. RS6000 scanner or mobile printer) ‣Zebra Compatible certification for VDP application use with MC92, VC70, WT41 and MC32.	
APTT1 (3rd party) * https://www.aina-wireless.com/	  	Aina Push-To-Talk (PTT) Bluetooth Voice Responder Remote Speaker/Mic (RSM)	‣Bluetooth speaker-microphone designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support). ‣Includes clip for attaching device to closthing for lapel speaker/mic usage. ‣Features several buttons which the application developers can assign to different functions. ‣Users can remotely control functions such as push-to-talk, phone calls, channel switching and emergency alerts. ‣Device is ruggedized, MIL-STD 810G and IP67. ‣Long lasting battery designed for 24 hour approx battery life. Can be recharged via micro-USB port. ‣Includes 3.5mm headset jack allowing headphones to be connected for keeping conversations more private. ‣Can be easily paired to mobile computer using NFC tap-to-pair.	

H3-B-1 (3rd party) * https://www.dellking.com	 	Wandfu H3 Push-To-Talk (PTT) Bluetooth Remote Speaker/Mic (RSM)	‣Bluetooth speaker-microphone designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support). ‣Includes clip for attaching device to closthing for lapel speaker/mic usage. ‣Includes 3.5mm headset jack allowing headphones to be connected for keeping conversations more private.	
BTR-155 (3rd party) * K551011 (Zebra orderable SKU) ‣Discontinued 3/2019, now order from Savox https://www.savoxaccessories.com	  	Savox BTR-155 Bluetooth Remote Speaker/Mic (RSM)	‣Bluetooth speaker-microphone designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support). ‣Includes clip for attaching device to closthing for lapel speaker/mic usage. ‣Rugged wireless speaker microphone, IP55. ‣Allows cable-free movement ‣Familiar speaker microphone functions; PTT and volume buttons ‣Includes 2.5mm headset jack allowing headphones to be connected for keeping conversations more private. ‣LED status indication ‣High speaker volume ‣Includes: - Savox RSM - Modular Wired earpiece - Wall Charger - USB Cable - Quick Start Guide - Carrying Strap	
BTH-101 (3rd party) * https://www.savoxaccessories.com	 	Savox Push-To-Talk (PTT) Bluetooth Headset	‣Bluetooth headset designed to work with different walkie talkie style Push-to-Talk applications, including Zebra PTT Pro (check with Zebra PTT Pro engineering team for current device/OS support). ‣Also operates as standard Bluetooth headset for taking phone calls. ‣Device is lightweight and ruggedized, IP55.	

Power Options

Part Number	Picture	Description	Notes	Required Items
CA1210		Power Supply Cable	‣Connects to vehicle power supply/battery or PS1370 Voltage Pre-Regulator ‣6 ft. long, waterproof ‣Internal P/N CB000309A01	

CA1220		Power Supply Cable - with ignition sense	‣Connects to vehicle power supply/battery ‣6 ft. long, waterproof ‣Connects to ignition switch on forklift to suspend device after ignition is turned off ‣Internal P/N CB000308A01	
CA1230		Power Supply Cable for Pre-Regulator - with ignition sense	‣Used with External Voltage Pre-Regulator (PS1370) ‣Includes ignition sense cable which can be optionally used to connect to ignition switch on forklift and suspend device after ignition is turned off ‣Internal P/N 13985-303	
CB000416A01		VC70 Power Cable to VH10/VC8x Converter Cable	‣Allows VH10 or VC8x to be powered from VC70 power cable ‣Allows forklifts wired for VC70 to be easily converted to VH10 or VC8x.	VC70 Power Cable (25-159551-01)
CB000417A01		VC5090 Power Cable to VH10/VC8x Converter Cable	‣Allows VH10 or VC8x to be powered from VC5090 power cable ‣Allows forklifts wired for VC5090 to be easily converted to VH10 or VC8x.	VC5090 Power Cable (25-71919-xxR)
A9169798		LXE/Honeywell Power Cable to VH10/VC8x Converter Cable	‣Allows VH10 or VC8x to be powered from LXE/Honeywell power cable ‣Allows forklifts wired for VX8, VX9, VM1, VM2, and VM3 to be easily converted to VH10 or VC8x. ‣NOTE: Converter Cable is NOT compatible with freezer versions of VH10/VC8x. The higher current draw of the heater may exceed the rating of the Honeywell cable. The Honeywell cable must be replaced with the VH10/VC8x dedicated cable (CA1210, CA1220, etc.) instead - refer to PMB 2959.	
A9169801		LXE/Honeywell Power and Screen Blanking Cable to VH10/VC8x Converter Cable	‣Allows VH10 or VC8x to be powered from LXE/Honeywell power cable ‣Allows forklifts wired for VX8, VX9, VM1, VM2, and VM3 to be easily converted to VH10 or VC8x. ‣Screen blanking cable connects to RS232 port. ‣NOTE: Converter Cable is NOT compatible with freezer versions of VH10/VC8x. The higher current draw of the heater may exceed the rating of the Honeywell cable. The Honeywell cable must be replaced with the VH10/VC8x dedicated cable (CA1210, CA1220, etc.) instead - refer to PMB 2959.	

PS1370		External Voltage Pre-Regulator	‣Allows the installation of the VC8x on electric trucks with batteries greater than 48V ‣19-90 VDC in, 15 VDC out, 90 W	CA1210 (Power Supply Cable) connects vehicle power to PS1370 AND CA1230 (Power Supply Extension cable with Ignition Sense) connects PS1370 to VC8x
PS1450		AC Power Supply Kit	‣Includes 100/240 VAC Power Supply and Power Cable Adapter (CA4000) ‣18V, 3.3A output (for older 1100666 power supply) ‣10/2016 - Updated to include PWR-BGA12V72W0WW power supply which replaces 1100666 power supply. New power supply is 12V, 6A, 72W output and meets US DOE Level VI compliance for power efficiency - PMB 2851	AC Line Cord (23844-00-00R)
PWR-BGA12V72W0WW		AC Power Supply	‣Used to power device from AC wall outlet. ‣100-240 VAC,12V, 6A, 72W ‣Provides US DOE Level VI compliance for power efficiency. ‣Replaces 1100666 Power Supply	Power Adapter Cable (CA4000) and AC Line Cord (23844-00-00R)
CA4000		Power Cable Adapter	‣CPC connector to 100/240 VAC power supply ‣Included with PS1450 Supply Kit and needed when using PWR-BGA12V72W0WW Power Supply.	
PWR-BGA24V150W0WW		AC Power Supply (High Power)	‣Cable is pre-built with round CPC connector. ‣24V, 6.25A, 150W output and meets US DOE Level VI compliance. ‣Use with VC8x or VC8xx for fixed mount installations in cold environments (to power internal heaters) or for high power peripherals connected to USB/RS232 ports. For most installations, use PS1450.	AC Line Cord (23844-00-00R)
PS1400		AC Power Supply	‣May be labeled PSA65U-180 or 1080362-001 ‣Cable is pre-built with round CPC connector. ‣18V, 3.3A output ‣Discontinued 8/2015 - PMB 2652	9008693 (AC Line Cord) (or country specific line cord)
23844-00-00R		AC Line Cord	‣Used with Power Supply PWR-BGA12V72W0WW and Power supply PS1450 (when it includes Power Supply PWR-BGA12V72W0WW).	

9008693		AC Line Cord	‣Used with PS1450 (when it includes Power Supply 1100666) or PS1400 AC Power Supply	
Keyboards **See External Keyboards Technical Accessory Guide (TAG) for additional keyboard options.**				
Part Number	**Picture**	**Description**	**Notes**	**Required Items**
KYBD-QW-VC-01		QWERTY Keyboard	‣Based on the VH10 keyboard design ‣12 direct Function keys with an additional 12 via shift function. ‣Dimmable backlit keys. ‣IP66, -30 to +50 C, condensing - for use in Freezer Applications ‣Build-in heaters and drainage system for error free operations even in heavy condensing environments ‣Industrial keyboard controller with temperature compensation ‣Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards ‣Two available cable lengths allowing the installation close the by VC or away from it. ‣Keyboard elastomer and cable are both field replaceable. ‣Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount.	Keyboard Cable (CBL-VC80-KBUS1-01 or CBL-VC80-KBUS2-01)
KYBD-QW-VC80-S-1	 	QWERTY Keyboard Kit (short cable)	‣Based on the VH10 keyboard design ‣12 direct Function keys with an additional 12 via shift function. ‣Dimmable backlit keys. ‣IP66, -30 to +50 C, condensing - for use in Freezer Applications ‣Build-in heaters and drainage system for error free operations even in heavy condensing environments ‣Industrial keyboard controller with temperature compensation ‣Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards ‣Short cable (22 cm/~8.5 in) allows installation close the by VC. ‣Keyboard elastomer and cable are both field replaceable. ‣Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount. ‣Kit includes QWERTY Keyboard (KYBD-QW-VC-01) and Keyboard Cable (CBL-VC80-KBUS1-01)	

KYBD-QW-VC80-L-1	 	QWERTY Keyboard Kit (long cable)	▸Based on the VH10 keyboard design ▸12 direct Function keys with an additional 12 via shift function. ▸Dimmable backlit keys. ▸IP66, -30 to +50 C, condensing - for use in Freezer Applications ▸Build-in heaters and drainage system for error free operations even in heavy condensing environments ▸Industrial keyboard controller with temperature compensation ▸Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards ▸Long cable (300 cm/~10 ft) allows installation farther away from the VC. ▸Keyboard elastomer and cable are both field replaceable. ▸Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount. ▸Kit includes QWERTY Keyboard (KYBD-QW-VC-01) and Keyboard Cable (CBL-VC80-KBUS2-01)	
KYBD-AZ-VC-01		AZERTY Keyboard	▸Based on the VH10 keyboard design ▸12 direct Function keys with an additional 12 via shift function. ▸Dimmable backlit keys. ▸IP66, -30 to +50 C, condensing - for use in Freezer Applications ▸Build-in heaters and drainage system for error free operations even in heavy condensing environments ▸Industrial keyboard controller with temperature compensation ▸Meets shock/vibrations standards: EN60721-5M3, MIL810F, and Zebra internal testing standards ▸Two available cable lengths allowing the installation close the by VC or away from it. ▸Keyboard elastomer and cable are both field replaceable. ▸Can be mounted on Keyboard Tray (KT-KYBDTRAY-VC80-R) or via RAM mount.	Keyboard Cable (CBL-VC80-KBUS1-01 or CBL-VC80-KBUS2-01)
CBL-VC80-KBUS1-01		VC8x Short Keyboard Cable for VH10 style keyboard	▸Short Cable length (22 cm / approx. 8.5 in) ▸Typically used when keyboard is mounted directly near the VC (i.e. on Keyboard Tray).	
CBL-VC80-KBUS2-01		VC8x Long Keyboard Cable for VH10 style keyboard	▸Long Cable length (300 cm / approx. 10 ft) ▸Typically used when keyboard is mounted away from the VC.	
1616314 (English) 1616315 (French) ▸Discontinued 12/2018 - see PMB 10054 1616316 (German) ▸Discontinued 12/2015 - PMB 2723		Small Keyboard	▸Connects to USB port on device ▸86 keys, includes F1-F10 (F11-F12 shifted) ▸Includes mouse joystick ▸IP65 sealing ▸Cable length is 60 cm (~23") ▸Keys are NOT backlit	Keyboard Tray (KT-KYBDTRAY-VC80-R) NOTE: Holes in Keyboard Tray will not align with mounting bolts on keyboard. Tray will need additional holes drilled to line up with keyboard bolts.

various		iKey keyboards	See **External Keyboards** Technical Accessory Guide (TAG) for iKey options.	Keyboard Tray (KT-KYBDTRAY-VC80-R) or RAM Mount keyboard mounting hardware
KT-KYBDTRAY-VC80-R	 	Keyboard Tray	‣Allows iKey or VH10 style keyboards to be mounted under the VC8x. ‣Not compatible with Small Keyboard unless additional holes are drilled into tray to line up with mounting bolts on the keyboard. ‣Includes mounting tray, tilting arms, knobs and screws ‣Compatible with Quick Release Mount (MT4200 or MT4210)	
RAM-246U		RAM Mount base for iKey or VH10 style Keyboards	‣Provides alternate solution to Keyboard Tray ‣1.5" rubber ball (RAM C size), connected to a 4.75" square plate with 4x100mm holes and 4x75mm holes in each corner. ‣Base attaches to forklift ‣Uses RAM Mount P/N RAM-246U	‣RAM Ball Mount for iKey Keyboards (RAM-202U) ‣RAM Mount arm for iKey Keyboards (RAM-201U)
RAM-201U		RAM Mount 3" arm for iKey or VH10 style Keyboards	‣Provides alternate solution to Keyboard Tray ‣Double socket arm, has a socket at both ends that accommodates 1.5" ball bases (RAM C size). ‣3 inch length ‣A single spring inside the arm opens the end sockets, allowing you to pivot the ball and socket connection. ‣Connects RAM Mount base for iKey Keyboards (RAM-246U) to RAM Ball Mount for iKey Keyboards (RAM-202U) ‣Uses RAM Mount P/N RAM-201U	‣RAM Mount base for iKey Keyboards (RAM-246U) ‣RAM Ball Mount for iKey Keyboards (RAM-202U) 
RAM-202U		RAM Ball Mount for iKey or VH10 style Keyboards	‣Provides alternate solution to Keyboard Tray ‣1.5" diameter rubber ball (RAM C size) connected to a flat 2.5" diameter base. ‣Mount has pre-drilled holes, including the universal AMPS hole pattern. ‣Attaches to mounting holes on iKey or VH10 style keyboards ‣Uses RAM Mount P/N RAM-202U	‣RAM Mount base for iKey Keyboards (RAM-246U) ‣RAM Mount arm for iKey Keyboards (RAM-201U)
VC70 style Numeric keyboard				

KYBD-NU-VC70-03R		21-Key Numeric Keyboard	‣Connects to USB port on VC80. Secure locking USB connector screws are not used. ‣21 Backlit keys ‣IP66 sealed ‣Mounts on side of VC80 ‣Includes Keyboard Protection Grill (KT-KYBDGRL2-VC70-R)	Keypad Mounting Bracket (KT-KYBDMNT-VC80-R)
KYBD-NU-VC70-01R		21-Key Numeric Keyboard	‣Discontinued 9/2013, now use KYBD-NU-VC70-03R ‣Connects to USB port on VC80. Secure locking USB connector screws are not used. ‣21 Backlit keys ‣IP66 sealed ‣Mounts on side of VC80	Keypad Mounting Bracket (KT-KYBDMNT-VC80-R)
KT-KYBDMNT-VC80-R		Side Mount Bracket for Numeric Keyboard	‣Allows Numeric Keyboard (KYBD-NU-VC70-03R) to be mounted on side of VC80 ‣Includes mounting hardware (screws)	
KT-KYBDGRL2-VC70-R		Keyboard Protection Grill for Numeric keyboard	‣This is a spare/replacement Protective Grill. It is normally included with KYBD-NU-VC70-03R. ‣Adds extra protection to keys by minimizing the keys' exposure.	

Replacement Equipment

Part Number	Picture	Description	Notes	Required Items
KT-VC80-BTRY1-01		Replacement Battery	‣Replacement backup battery ‣2000 mAh	

KT-VC80-SCRN1-01		Front Touch Screen (non-heated)	►Includes: - VC80 front with touch screen - screws - EMI tape	Recommend Modular Services Kit (ST2000) to ensure proper tools and screw torque is used.
KT-VC80-SCRH1-01		Front Touch Screen (heated)	►Includes: - VC80 front with touch screen - screws - EMI tape	Recommend Modular Services Kit (ST2000) to ensure proper tools and screw torque is used.
KYBD-QW-SP-01		Replacement QWERTY Keypad for VH10 style keyboard	▸Wear Item Replacement for KYBD-QW-VC-01 (includes Elastomer with hard caps)	
KYBD-AZ-SP-01		Replacement AZERTY Keypad for VH10 style keyboard	▸Wear Item Replacement for KYBD-AZ-VC-01 (includes Elastomer with hard caps)	

Misc Replacement Equipment

Part Number	Picture	Description	Notes	Required Items
ST2000		Modular Services Kit	▸Includes: - ESD safe T6 Torx torque bit - ESD safe T10 Torx torque bit - Phillips #2 torque bit - ESD safe torque driver for bits - ESD mat with wrist strap - Keypad Bezel Removal tool needed to replace modular components such as displays, scanners, radios, keypads, modules, etc.	