

# VEHICLE-MOUNTED COMPUTERS

Configuration & Accessories Guide VH10, VC70, VC80, VC80x, VC8300

# Zebra Vehicle Mounted Computers

### **Product Family**



### FOUR PLATFORMS... THREE FORM FACTORS... THE SAME ACCESSORIES, RUGGEDNESS, AND RELIABILITY

# Vehicle Mounted Computers

Configuration & Accessories Guide

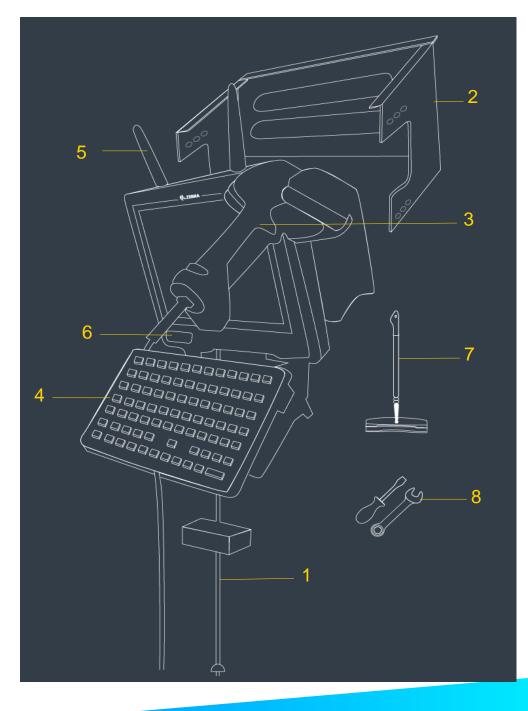
- The Zebra Technologies portfolio of accessories extends the capabilities of your VH10, VC70, VC80, VC80x or VC8300, and enables you to lower the cost of ownership of your Zebra mobile computer.
- This simple step-by-step guide is designed to assist you with the selection of your accessories based on your needs and use of the computers.



## VEHICLE-MOUNTED COMPUTERS

## Install Illustration

STEP	ACCESSORY	SLIDE
1	Power Supplies & Cables	6-14
2	Mounts	15-19
3	Scanners	20-22
4	Keyboards	23-25
5	Antennas	26-28
6	Voice	29-30
7	Miscellaneous	31-32
8	Service Parts	33-35



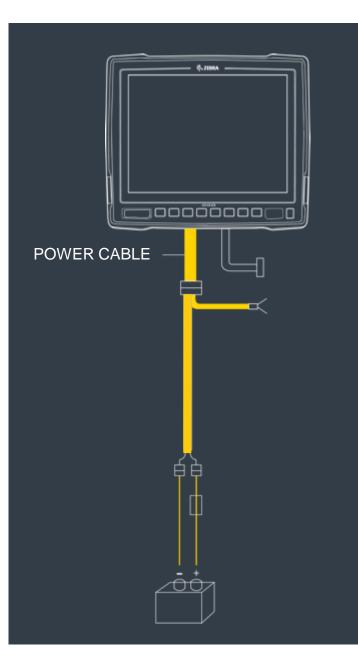
# Step 1: Power Supplies and Cables (+

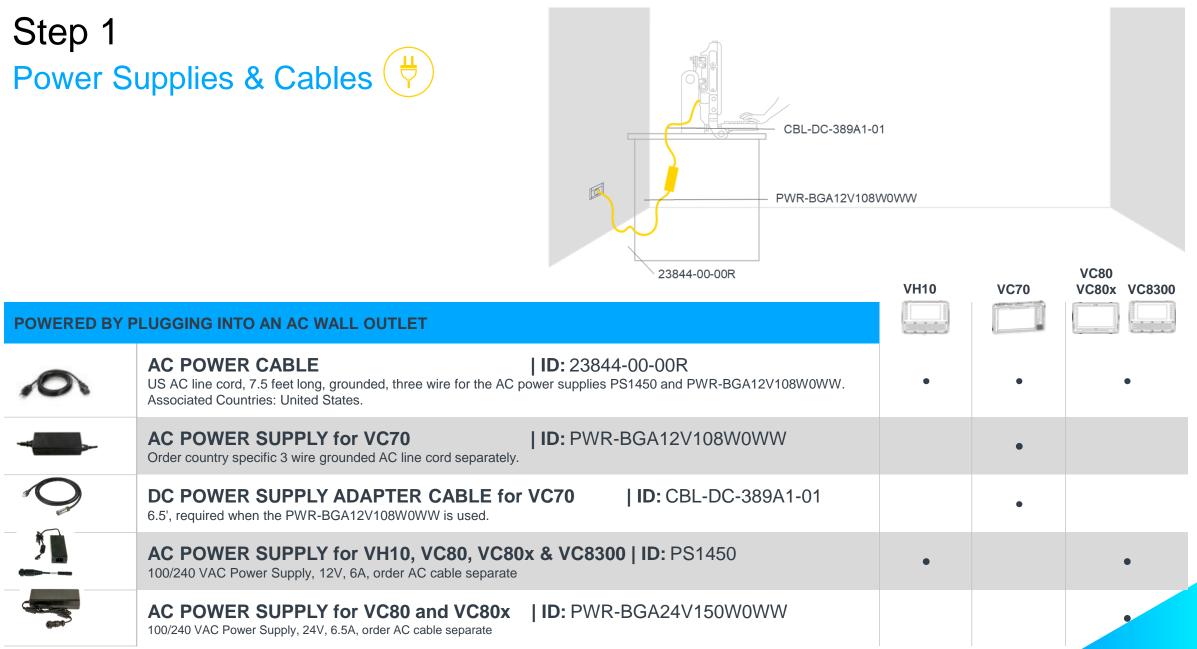
Choose from multiple installation cases

- Plug into an AC wall outlet
  - VH10, VC70, VC80, VC80x, VC8300 (Slide 6)
- Plug into the Vehicle's DC power
  - VC70 (Slides 7-9)

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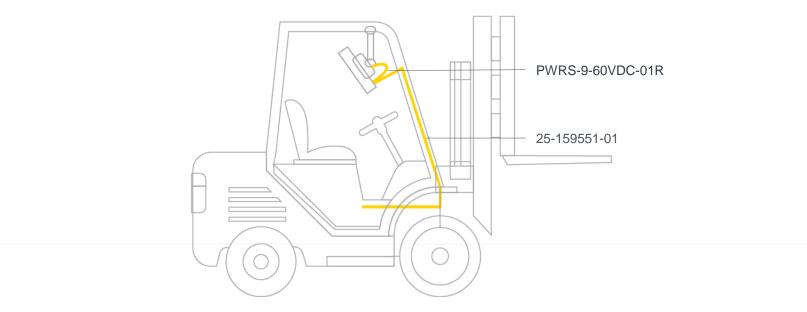
- VH10, VC80, VC80x, VC8300 (Slides 10-14)



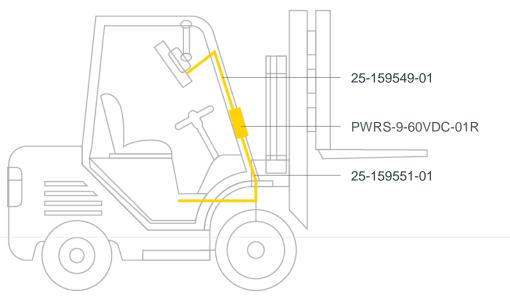


ZEBRA TECHNOLOGIES





	VC70	VEHICLE MOUNT (DC POWER SUPPLY MOUNTED ON THE VC70)
Buy both	Ż	DC POWER SUPPLY   ID: PWRS-9-60VDC-01R External DC Power supply,VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery
	0	<b>DC POWER CABLE   ID:</b> 25-159551-01 Cable, external 9-60V DC power supply to vehicle battery, 10', includes fuse, VC70. Required for the PWRS-9-60VDC-R



### VC70 VEHICLE MOUNT (DC POWER SUPPLY NOT MOUNTED ON THE VC70)

### EXTENSION CABLE | ID: 25-159549-01

Cable, external power supply to VC70 extender. 6.5', VC70. Required when the PWRS-9-60VDC-01R is not mounted on the back of the VC70.

### DC POWER SUPPLY | ID: PWRS-9-60VDC-01R

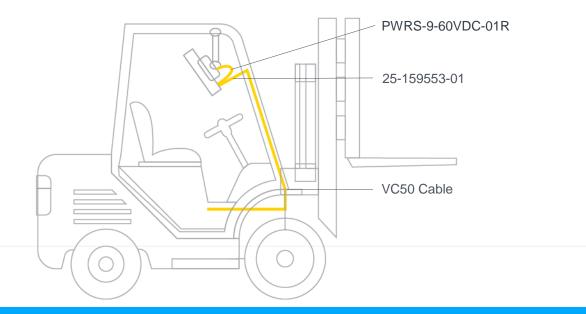
External DC Power supply, VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery

### **DC POWER CABLE** | **ID**: 25-159551-01

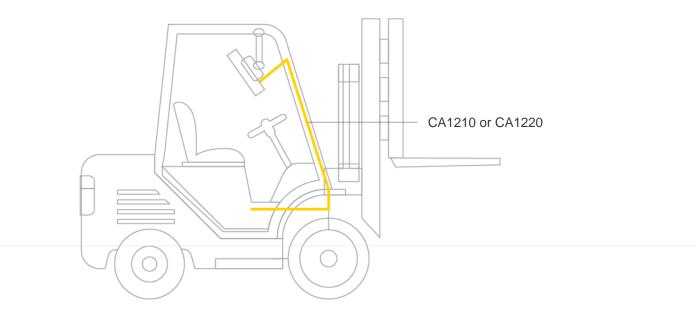
Cable, external 9-60V DC power supply to vehicle battery, 10', includes fuse, VC70. Required for the PWRS-9-60VDC-R

8

Buy all of these



	VC70	VEHICLE MOUNT (WHEN REPLACING THE VC50 AND REUSING THE VC50 DC POWER CABLE)
Buy both	Ż	DC POWER SUPPLY ID: PWRS-9-60VDC-01R   External DC Power supply,VC70, 9-60VDC Requires 25-159551-01 fused DC power cable to vehicle battery
	$\mathbf{\mathbf{x}}$	POWER ADAPTER CABLE   ID: 25-159553-01 Cable, external power supply to existing VC5090 power cable (25-71919-03R or 25-71919-04R), includes fuses, 2', VC70



### VH10, VC80, VC80x, VC8300

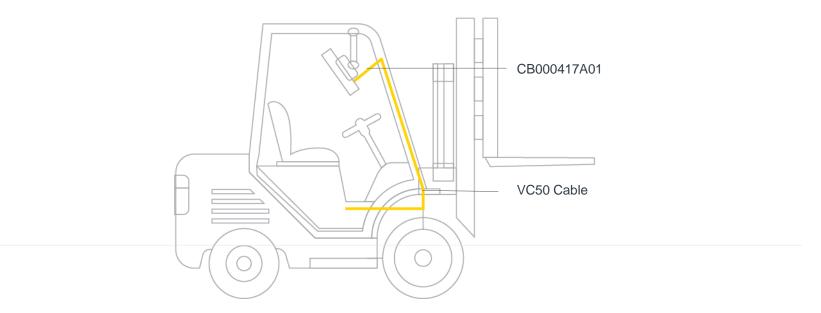
### VEHICLE MOUNT (POWER SUPPLY IS INSIDE THE COMPUTER)



### DC POWER CABLE | ID: CA1220

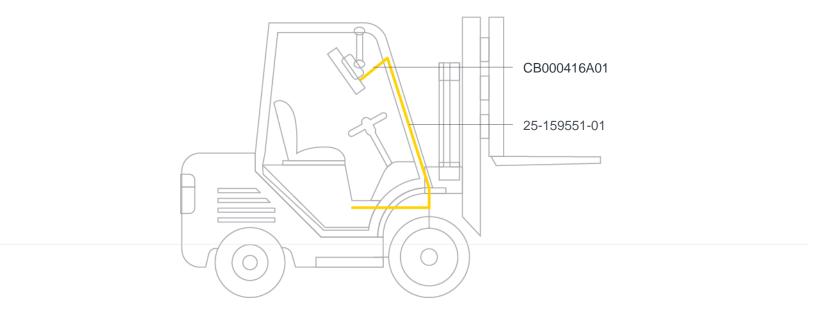
Power Extension Cable DC, 6', waterproof - Includes Screen Blanking feature













### VH10, VC80, VC80x, VC8300

### VEHICLE MOUNT (WITH PRE-REGULATOR TO DECREASE VOLTAGE - FOR TRUCKS WITH BATTERIES GREATER THAN 48V)

 $\sim$ 

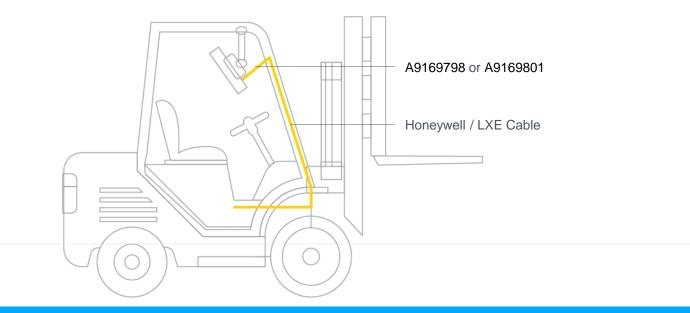
DC POWER CABLE | ID: CA1230

Power extension cable for pre-regulator with ignition sense



**DC POWER CABLE | ID:** CA1210 Power Extension Cable, DC, 6', waterproof

Buy all three



### VH10, VC80, VC80x, VC8300

VEHICLE MOUNT (WHEN REPLACING A HONEYWELL/LXE VC AND REUSING THE DC POWER CABLE)



**POWER ADAPTER CABLE | ID:** A9169798

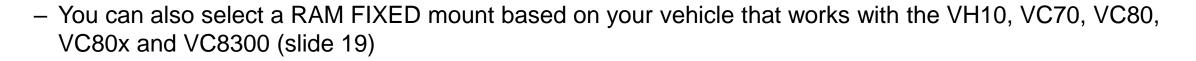
Adapter CPC to LXE/Honeywell VX8, VX9, VM1, VM2 AND VM3 DC Power Extension Cable

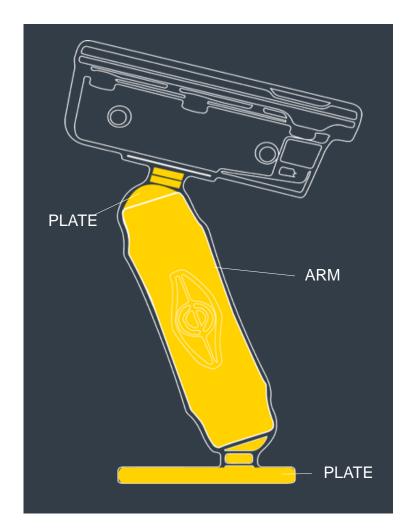
POWER AND SCREEN BLANKING ADAPTER CABLE | ID: A9169801

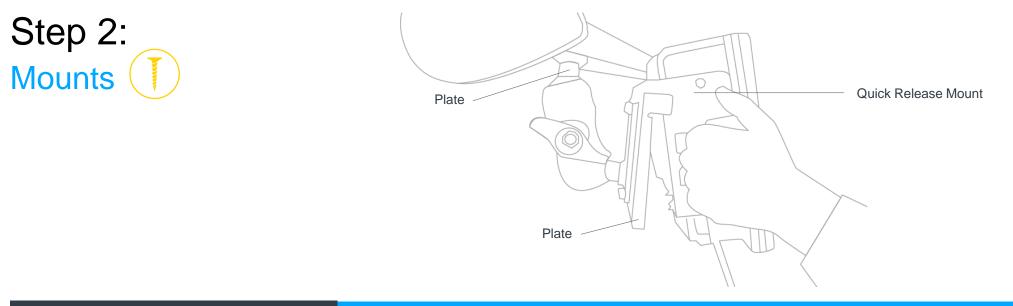
Adapter CPC and serial to LXE VX8 and VX9 DC Power Extension and Screen Blanking Cable



- Your mounting options depend on your computer
  - For VH10, VC80, VC80x, VC8300, choose the following (slides 16/17):
    - RAM Mount
    - Quick-Release Mount
    - Adapter bracket for 82XX mounts
    - Adapter brackets for legacy VCs
  - For the VC70, choose one (slide 18):
    - RAM Mount
    - U Mount
    - Adapter bracket for VC50 mount







FOR VH10,	C80, VC80x, VC8300 DO YOU NEED A RAM MOUNT, A QUICK RELEASE MOUNT, OR ADAPTERS TO OLD 82 MOUNTS?	XX
11	QUICK RELEASE MOUNT ID: MT4200   Quick release mount. Attaches to the side of the computer and includes Mounting Plate (MT4205) that attaches to forklift.	
$\bigtriangledown$	PLATE   ID: MT4205 Mounting plate for MT4200, Quick Release Mount, needed if you have one computer for multiple trucks	
AT IA	ADAPTER BRACKET  ID: MT4210 Adapter bracket kit for the older 82XX mounts	
•	PLATE ID: MT3501   VESA plate (for 4" or 12" RAM arm), Can also be attached to Quick Release Mount Plate (MT4205)	
	PLATE ID: MT4510 RAM 2"x3" rectangular base with 2.25" rubber ball. Can be attached directly to VH10, VC80, VC80x and VC8300	

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#### FOR VH10, VC80, VC80x, VC8300 DO YOU REPLACE A LEGACY ZEBRA OR HONEYWELL/LXE VC?



**ADAPTER FOR VC50 U-MOUNT** 

### ID: MNT-VC80-ADPA1-1

The adapter brackets for the VC50 U-Mount can be used to replace a VC50 by a VH10, VC80, VC80x or a VC8300 and reuse the existing U-Mount.



### U-MOUNT, WITH VC70 U-MOUNT HOLE PATTERN

ID: KT-U-MOUNT-VC80-R

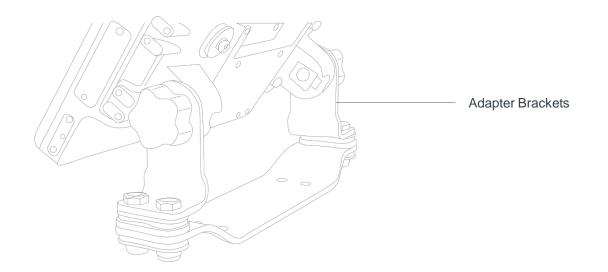
The VC80 Series U-Mount is smaller than the one for the VC50 and has several mounting holes which allow drop-in replacements of VC70, and DLoG U-Mounts. It provides step less tilting of the VC and comes with the VC50 adapters.



### ADAPTER FOR HONEYWELL U-MOUNT

**ID:** MNT-VC80-ADPB1-1 The adapter brackets for the Honeywell U-Mount can be used to replace a Honeywell/LXE VC by a VH10, VC80, VC80x or a VC8300 and reuse the existing U-Mount (Honeywell part number VM1010BRKTKIT).





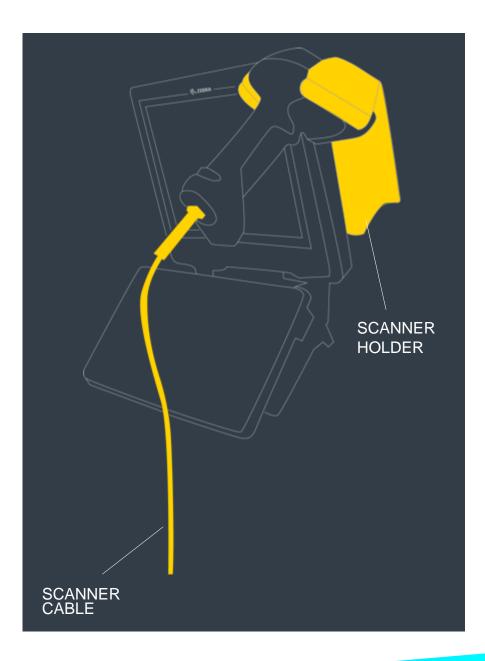
FOR THE VC70	DO YOU NEED A RAM MOUNT, AN U MOUNT, OR ADAPTER BRACKETS TO THE VC50 U MOUNT?			
	RAM MOUNT   ID: RAM-D-2461U-MOTO7     RAM bridge with RAM-D-2461U RAM MOUNT, D (2.25"") size ball with screws. Including screws to mount the PWRS-9-60VDC-01R External DC Power Supply. Used when replacing equipment already mounted with RAM mounts			
	RAM MOUNT ID: RAM-D-2461U-MOTO7B   RAM-D-2461U RAM MOUNT, D (2.25") size ball with screws. Used when the PWRS-9-60VDC-01R External DC Power Supply has to be mounted away or when AC power supply is used. Used when replacing equipment already mounted with RAM mounts			
	U MOUNT   ID: KT-U-MOUNT-VC70-R U mount, VC70, with mounting hardware			
	ADAPTER BRACKET   ID: KT-VC50ARM3-VC70-R 2 mount adapter arms for VC50 bracket, 3.5", with bolts			
Ő	ADAPTER BRACKET   ID: KT-VC50ARM7-VC70-R 2 mount adapter arms for VC50 bracket, 7", with bolts			

# Step 2: Mounts

VH10, VC70,	VC80, VC80x, VC8300 DEPENDING ON THE VEHICLE, BELOW ARE THE RAM FIXED MOUNTING OPTIONS TO THE COMPUTER AND/OR THE VEHICLE.
<b>A</b> -	ARM   ID: MT4301 RAM mount, 4" arm
ŀ	ARM  ID: MT4302 RAM mount, 12" arm
*	PLATE   ID: MT3501 VESA plate (for 4" or 12" RAM arm), Can also be attached to Quick Release Mount Plate (MT4205)
2	PLATE   ID: MT3502 Round plate (for 4" or 12" RAM arm), Uses smaller footprint than MT3501 VESA Plate
140	BASE   ID: MT3505 Clamp base (for 4" or 12" RAM arm), 2" max. width
140	BASE   ID: MT3507 Clamp base (for 4" or 12" RAM arm), 3" max. width
1	BASE   ID: MT3509 Rail base (for 4" or 12" RAM arm), 1-1/4" to 1-7/8"
1	BASE   ID: MT3510 Rail base (for 4" or 12" RAM arm), 2" to 2 1/2"
2	BASE   ID: MT4510 RAM 2"x3" rectangular base with 2.25" rubber ball



- When shopping for scanner cables, choose between coiled or straight for your scanner and between an RS232 or USB plug.
- Scanner Cables for LI/DS36XX (slide 21)
- Scanner cables for LS/DS 34XX/35XX (slide 21)
- Scanner holders (slide 22)





Available

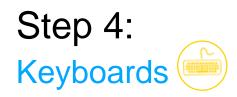
Cable - Shielded USB: Series A Connector, 15ft. (4.6m), Straight, BC 1.2

Scannei	rs 🕝		VH10 VC8300	VC70	VC80 VC80x
	LI/DS36XXXX SCANNER (	CABLES			
Photo Not Available	RS232   ID: CBA-RF3-C09ZAR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coilec	l, Power Pin 9, TxD on 2, True Converter, -30C		•	
$\langle \rangle$	SHIELDED USB   ID: CBA-UF2-C12ZAR Cable - Shielded USB: Series A Locking Connector for VC	270, 12', Coiled, -30C		•	
$\bigcirc$	RS232   ID: CBA-R71-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled	, Power Pin 9	٠		•
Photo Not Available	RS232   ID: CBA-RF2-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled	, Power Pin 9, -30C	٠		•
$\overline{\mathbf{O}}$	SHIELDED USB   ID: CBA-U46-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Stra	ight, BC 1.2	٠		•
Photo Not Available	SHIELDED USB   ID: CBA-U47-S15ZAR Cable - Shielded USB: Series A Connector, 15ft. (4.6m), S	Straight, BC 1.2	٠		•
Photo Not Available	SHIELDED USB   ID: CBA-UF1-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Stra	ight, BC 1.2, -30C	٠		•
	LS/DS 34XX/35XX SCANNER	CABLES			
$\bigcirc$	SHIELDED USB   ID: 25-159548-01 Cable - Shielde	d USB: Series A Locking Connector for VC70, 12', Coiled, -30C		•	
Photo Not Available	RS232   ID: CBA-R46-C09ZBR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coilec	l, Power Pin 9, TxD on 2, True Converter		•	
Photo Not Available	RS232   ID: CBA-R49-C09ZAR Cable - RS232: DB9 Female Connector, 9ft. (2.8m) Coilec	l, Power Pin 9, TxD on 2, True Converter, Low Temp -30C		•	
$\bigcirc$	RS232   ID: CBA-R37-C09ZAR Cable - RS232: DB9 Female Connector, 9ft (2.8m) Coiled	, Power Pin 9	٠		•
Photo Not Available	USB   ID: CBA-U09-C15ZAR Cable - USB: Series A Connector, 15ft. (4.6m) Coiled		٠		•
Photo Not Available	SHIELDED USB   ID: CBA-U01-S07ZAR Cable - Shielded USB: Series A Connector, 7ft. (2m), Stra	ight, BC 1.2	٠		•
Photo Not	SHIELDED USB   ID: CBA-U10-S15ZAR		•		•

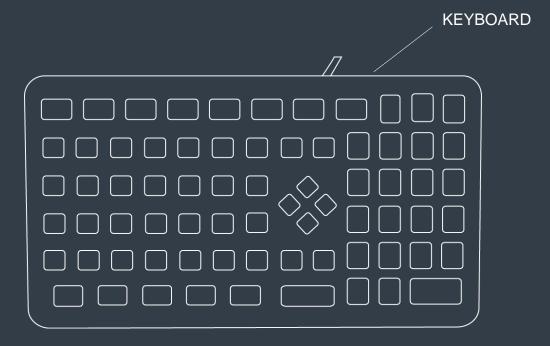




		VH10 VC8300	VC70	VC80 VC80x
<b>P</b>	SCANNER HOLDER   ID: KT-SCANMNT-VC70-R Mounting holder for the scanner. For LS34x8ER, LS35x8ER. Requires KT-ACCMNT-VC70-R Accessory side mount bracket		•	
	ACCESSORY MOUNT   ID: KT-ACCMNT-VC70-R Accessory side mount bracket		•	
ſ	Side mounted holder for scanner   ID: KT-SCANMNT-VC80-R	•		•

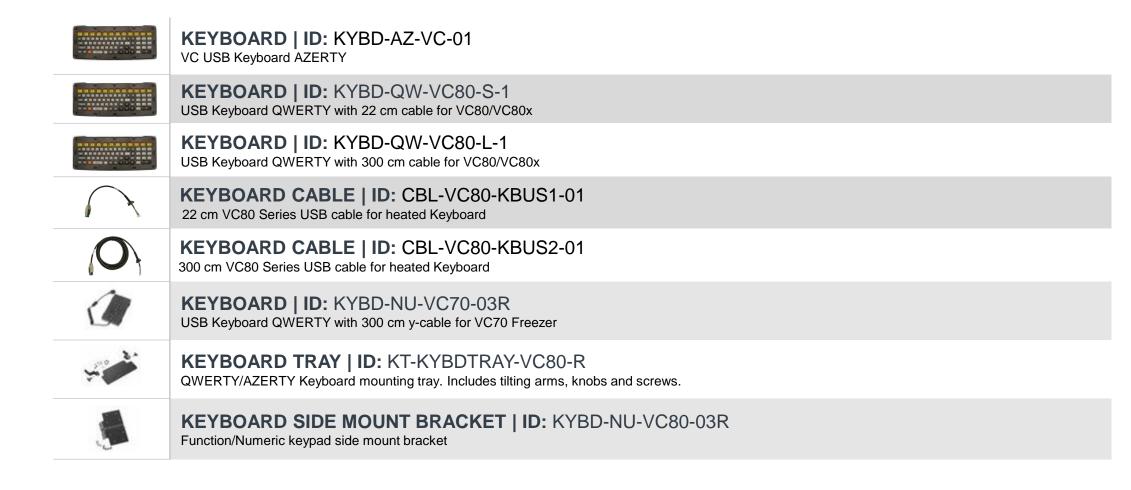


- While the VH10 and the VC8300 have built-in keyboards, the VC70, VC80 and VC80x give you multiple options
  - VC80 and VC80x Keyboards (slide 24)
  - VC70 Keyboards (slide 25)



Step 4:

# VC80 & VC80x Keyboards, Cables and Mounting Options



Step 4:

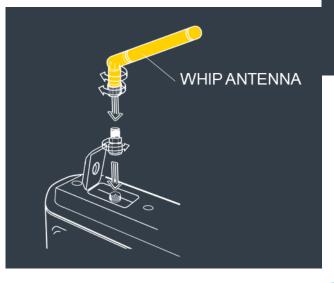
# VC70 Keyboards, Cables and Mounting Options

	KEYBOARD   ID: KYBD-AZ-VC-01 VC USB Keyboard AZERTY
	KEYBOARD   ID: KYBD-QW-VC70-S-1 USB Keyboard QWERTY with 18 cm cable for VC70
	KEYBOARD   ID: KYBD-QW-VC70-L-1 USB Keyboard QWERTY with 300 cm cable for VC70
	KEYBOARD   ID: KYBD-QW-VC70F-S-1 USB Keyboard QWERTY with 37 cm y-cable for VC70 Freezer
	KEYBOARD   ID: KYBD-QW-VC70F-L-1 USB Keyboard QWERTY with 300 cm y-cable for VC70 Freezer
	KEYBOARD CABLE   ID: CBL-VC70-KBUS1-01 18 cm VC70 USB cable for heated Keyboard
O	KEYBOARD CABLE   ID: CBL-VC70-KBUS2-01 300 cm VC70 USB cable for heated Keyboard
	KEYBOARD CABLE   ID: CBL-VC70-KBUS4-01 37 cm VC70 USB & RS232 Y-cable for heated Keyboard
Ø	KEYBOARD CABLE   ID: CBL-VC70-KBUS4-01 300 cm VC70 USB & RS232 Y-cable for heated Keyboard
	KEYBOARD   ID: KYBD-NU-VC70-03R USB Keyboard QWERTY with 300 cm y-cable for VC70 Freezer
****	KEYBOARD TRAY   ID: KT-KYBDTRAY-VC70-3 QWERTY/AZERTY Keyboard mounting tray. Includes tilting arms, knobs and screws.
	KEYBOARD SIDE MOUNT BRACKET   ID: KT-KYBDMNT-VC70-R Function/Numeric keypad side mount bracket

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- Your options of antennas are wide (slides 27/28):
  - Wi-Fi: VH10, VC70, VC80, VC80x, VC8300
  - Narrowband: VH10 Only
  - GPS: VC80 Only
  - Right-angle adapter for installations with little overhead space
    - VH10, VC70, VC80, VC80x, VC8300

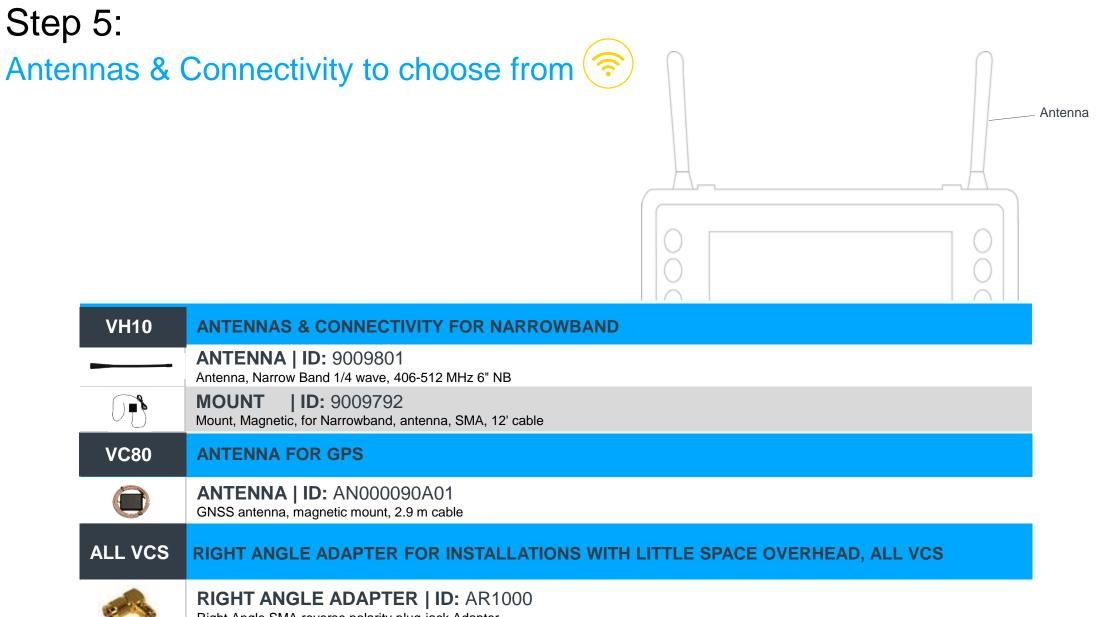


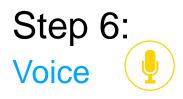
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Step 5:

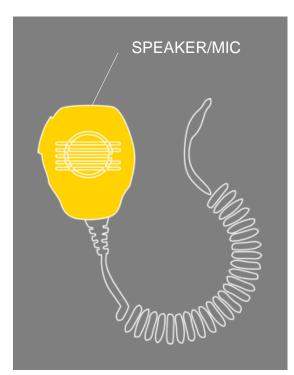
# Antennas & Connectivity to choose from 📀

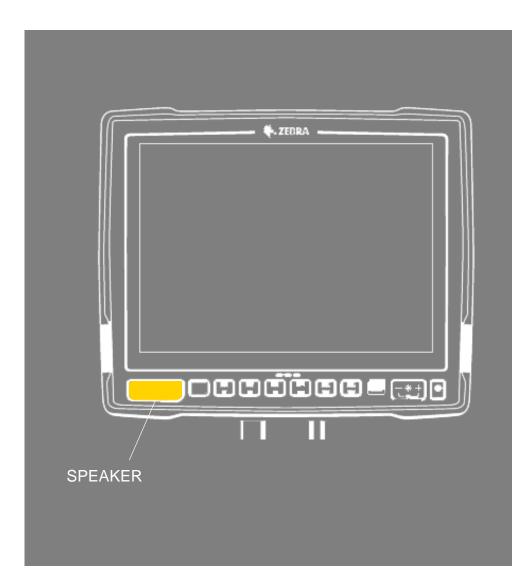
ALL VCS	ANTENNAS & CONNECTIVITY FOR WIFI
	ANTENNA   ID: 20667-002 Whip antenna (stubby), 802.11 b/g - dipole 2 dBi reverse polarity SMA connector
8+	ANTENNA   ID: AN2010 Antenna, dual band, 802.11 a/b/g/n, 2 dBi, RPSMA connector, magnetic mount, 2.9m
L	ANTENNA   ID: AN2020 Antenna, 2.4 GHz, 802.11 b/g, 5 dBi, RPSMA connector, magnetic mount, 2.9m
	ANTENNA   ID: AN2030 Whip antenna (stubby), dual band, 802.11 a/b/g/n, 2.4GHz 2dBi, 5GHz 3.7 dBi, RPSMA connector, WiFi
VC70	ADAPTERS FOR VC70 TO ATTACH EXTERNAL WIFI ANTENNAS WITH RPSMA CONNECTOR
Are all	ADAPTER   ID: RPSMA-RTRPSMA-05R ANTENNA ADAPTER RPSMA - RTRPSMA, 5-PACK, Required for the VC70 WiFi Antennas
1.1	ADAPTER   ID: RPSMA-RTRPSMA-10R ANTENNA ADAPTER RPSMA - RTRPSMA, 10-PACK, Required for the VC70 WiFi Antennas

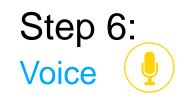




- Select from turnkey kits or voice accessories A LA Carte.
- Your Voice options (slide 30)
  - Voice



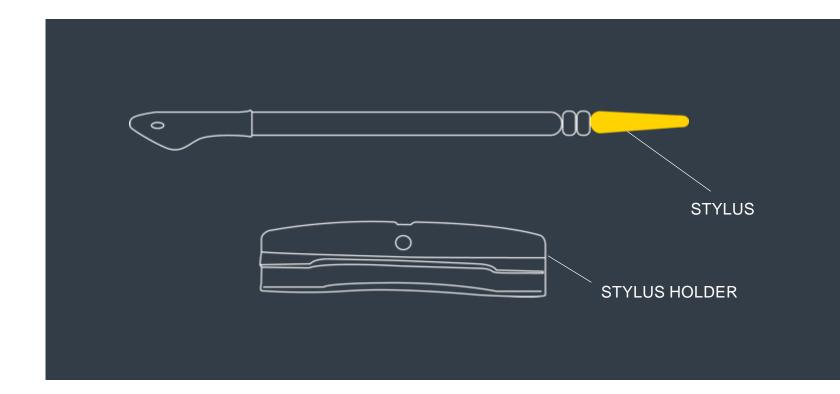




		VH10	VC8300	VC70	VC80 VC80x
Photo Not Available	MICROPHONE KIT   ID: KT-MIC-01R This bundle includes the VC70 External PTT mic, the Motorola HMN1089B Water-resistant Palm Microphone or equivalent and the KT-ACCMNT-VC70-R Accessory Side mount bracket.			•	
2	MICROPHONE   ID: HMN1089B     Push-To-Talk Hand Microphone, GCAI connector, Water Resistant			٠	
*	SIDE MOUNT   ID: KT-ACCMNT-VC70-R Accessory Side mount bracket			٠	
Photo Not Available	SPEAKER KIT   ID: KT-SPKR-01R     This bundle includes the External speaker, the Motorola HSN4039A 13 Watt water-resistant loudspeaker and the 25-159552-01 VC70 external speaker adapter cable.			٠	
_	SPEAKER   ID: HSN4040A     External speaker, Motorola HSN4040A 13 Watt water-resistant loudspeaker. Requires 25-159552-01			٠	
$\sim$	INTERFACE CABLE   ID: 25-159552-01 Speaker cable adapter, for HSN4040A, VC70. Required to connect the HSN4040A external speaker.			•	
$\sim$	SPEAKER/MIC ID: M1000   Speaker/Mic with push-to-talk function		•		•



- Don't forget to consider the following accessories (slide 32)
  - Stylus
  - Screen protector
  - CAN BUS cable
  - USB to Ethernet adapter

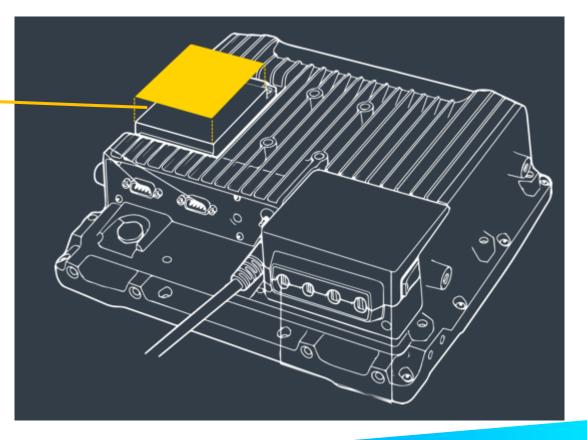




Miscellaneous 🥊		VH10	VC8300	VC70	VC80	VC80x	
-	ID: SL0001 Stylus and Stylus Holder	•		٠	٠	٠	
	ID: VA6200 Screen Protector Pack of 3	٠					
	ID: KT-SPRTCT-VC70-05R Screen Protector Pack of 5			٠	٠	•	
$\bigcirc$	ID: CA1300 Screen blanking cable (DB9 to open wires)	٠	٠		٠	•	
0	ID: CB-000433-01 CAN Bus Cable (RJ45 to Deutsch)				٠		
	ID: WA4070 USB to Ethernet Adapter	٠	٠		٠	•	
	<b>ID:</b> 25-159547-01 Cable DB15M to DB9M, for COM2			٠			
	ID: SG-VC70-VISR1-01 VC70 Sun Visor mountable with cut out wing.			٠			
Photo Not Available	ID: KT-AREFL-VC83-8-1 Anti Reflection Foil		٠				



- Stock up on these essential spare parts (slides 34/35)
  - Tool kit
  - Keypads
  - Touch screens
  - Spare battery





		VH10	VC8300	VC70	VC80x
SERVICE PARTS					
Photo Not Available	ID: AL1001 QWERTY Keypad	٠			
Photo Not Available	ID: AL1002 AZERTY Keypad	•			
Photo Not Available	ID: AL2002 Front with standard touch screen and function keys	•			
Photo Not Available	ID: AL2002 Front with heated touch screen and function keys	•			
2	ID: ST2000 Modular Services Kit	•	•		٠
Photo Not Available	ID: KT-VC80-BTRY1-01 Spare Battery		•		•
Photo Not Available	ID: KT-VC80-SCRH1-01 Front with Touch Screen (heated)				•
- A	ID: KT-VC80-SCRN1-01 Front with Touch Screen (non-heated)				•
Photo Not Available	ID: BTRY-VC70IAB00 Spare Battery			•	
Photo Not Available	ID: KYBD-QW-VC-01 QWERTY Spare Elastomer for VC USB Keyboard			•	•
Photo Not Available	ID: KYBD-AZ-VC-01 AZERTY Spare Elastomer for VC USB Keyboard			•	٠

VC80



		VH10	VC8300	VC70	VC80x
SERVICE PA	ARTS				
398.6	ID: SPR-SMA-DC-10 SMA antenna connector dust caps, pack of 10	•	•		•
	ID: TBD QWERTY Keypad		•		
	ID: TBD AZERTY Keypad		•		
	ID: TBD Front with standard touch screen and function keys		•		
	ID: TBD Front with heated touch screen and function keys		•		

VC80