

## Thor CV31 Series Configuration Guide

What are the options available on the CV31?



### CV31 Basic

CV31A1A0AC000000	CV31A,Basic,12V
CV31A1A0ACCP0000	CV31A,Basic,12V,CP

Operating -20C to +50C (-4F to +122F)  
External AC-DC or DC-DC power converter required

### CV31 – Forklift Ready

CV31A1APAC000000	CV31A,Forklift Ready,9-36V
CV31A1APACCP0000	CV31A,Forklift Ready,9-36V,CP

Operating -20C to +50C (-4F to +122F)  
Smart UPS eliminates need for "charge guards"  
Ignition Control for automatic ON/OFF (cable required)

### CV31 – Cold Ready (Heated Display)

CV31A1HPAC000000	CV31A,Freezer Forklift,9-36V,Heated
CV31A1HPACCP0000	CV31A,Freezer Forklift,9-36V,Heated,CP

Operating -30C to +50C (-22F to +122F)  
Smart UPS eliminates need for "charge guards"  
Ignition Control for automatic ON/OFF (cable required)  
Heated Touch Panel to prevent condensation in cold storage.

### Intermec Medallion Service



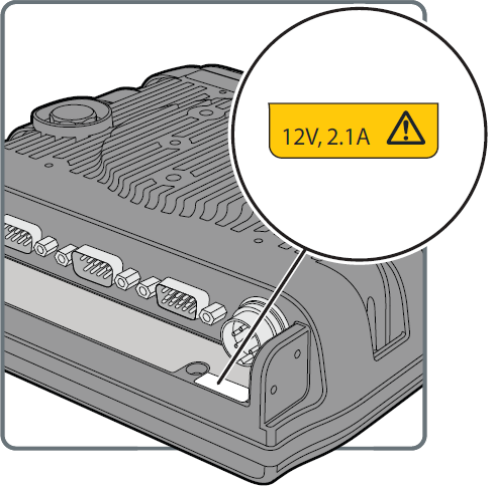
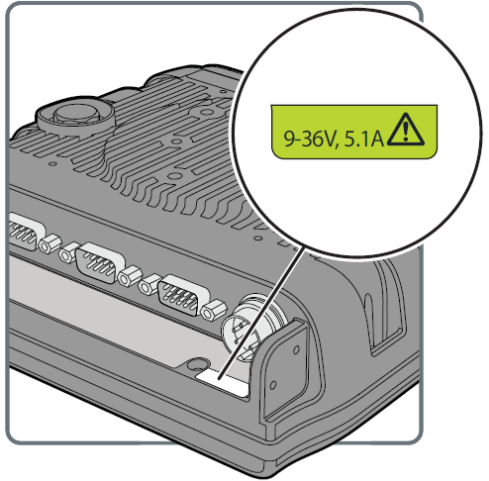
MEDV2-GLD-3	VT2: 3 Year 2 Day Onsite Standard
MEDV2-SLV-3-C	VT2: 3 Year 2 Day Return to Depot Complete
MEDV2-BRZ-3-C	VT2: 3 Year 5 Day Return to Depot Complete

### Client Pack (CP) & Software Maintenance



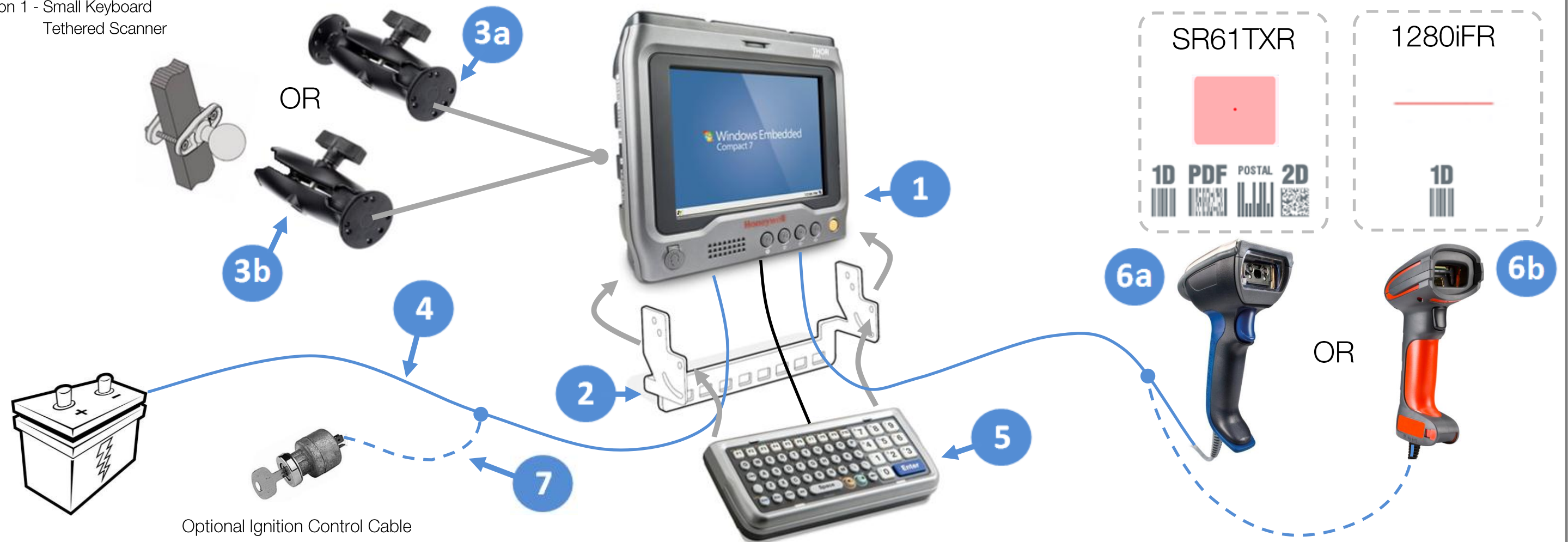
454-023-001	License, Client Pack
ICP-SFT1	One-year maintenance subscription for Client Pack
ICP-SFT3	Three-year maintenance subscription for Client Pack

## Thor CV31 Configuration Map

Standard	Touch Screen	Power	Radio	Operating System	Software Configuration	Customization	Reserved	Description	Notes
CV31A									
1								1.5GHz / 1GB RAM / 16GB Flash	
	A							Standard Touch Screen	
	H							Heated Touch Screen	
		0						No Internal DC Converter (12V Only)	
		P						DC-DC Power Converter (9-36V)	
			A					802.11a/b/g/n, Bluetooth and Near Field Communications (NFC)	WLAN - All Markets
				C				Windows Embedded Compact 7	
					00			No Application Software	
					CP			Client Pack (CP) Software License	CP includes Enterprise Terminal Emulator (ETE) and Enterprise Browser (EB)
						0		No Customization	
							000	Reserved	

## Thor CV31 Forklift Install

Option 1 - Small Keyboard  
Tethered Scanner



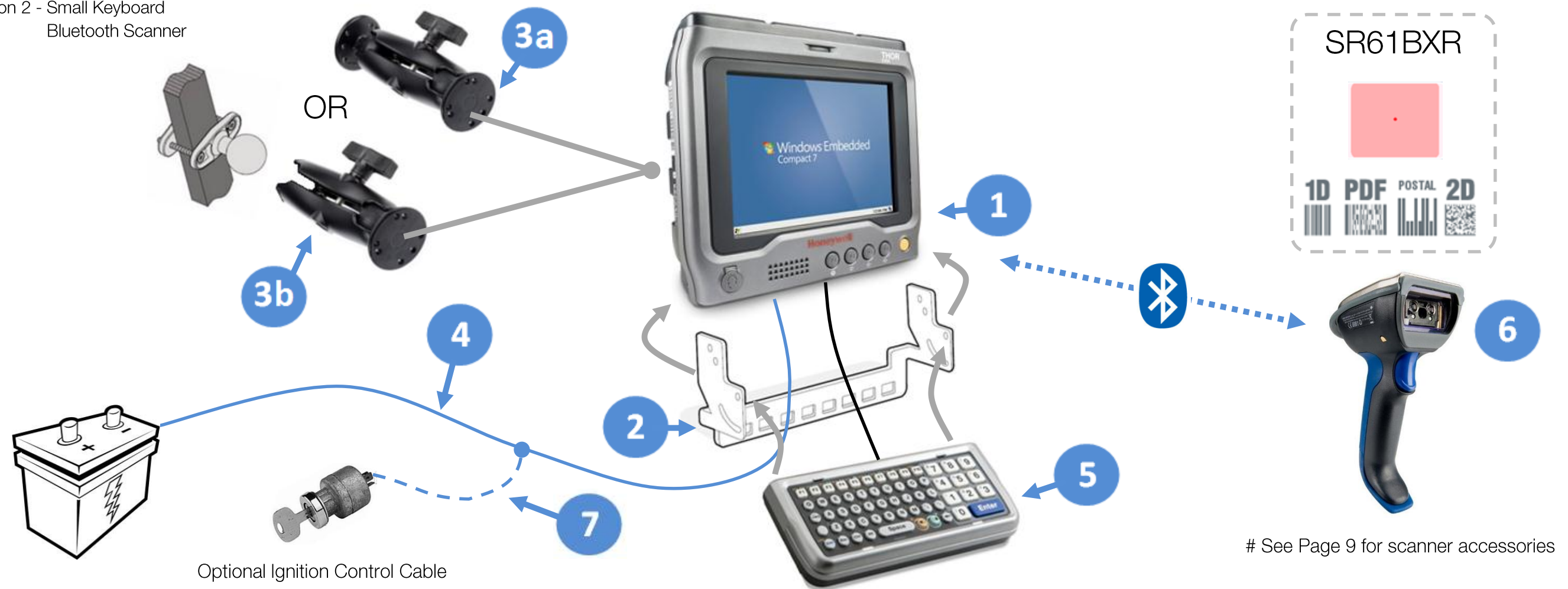
# See Page 9 for scanner accessories

Part Number	Description	Service
1	CV31A1APACCP0000 CV31A,Forklift Ready,9-36V,CP	MEDV2-BRZ-3-C CV31: 3 Year 5 Day Medallion Complete
2	VE011-2003 Mounting kit, keyboard, CV31 (Attaches small keyboard VE011-2022 to the CV31)	
3a	805-813-001 Vehicle Mounting Kit,1½" Dual Ball Mount (5½" Mounting Arm with 1½" Ball)	
3b	VM1004BRKTKIT RAM MOUNT KIT, FLAT CLAMP BASE, SHORT ARM, 5 inches (128mm), BALL FOR VEHICLE DOCK REAR (Requires 213-043-001 KIT, CV30 MOUNTING SCREWS)	
4	203-950-001 KIT,WIRING,DIRECT,CV31/CV61(9-36V DC)	
OR	203-950-002 Kit, DC/DC Converter, 6-96V, RoHS (DC/DC Power Supply, 6-96V Extended Range). <u>Requires adapter cable VE027-8024-C0.</u>	
5	VE011-2022 Keyboard, compact, CV31 (Small (space constrained) QWERTY keyboard w/ TE template overlays)	
6a	SR61TXR-SER001 SR61TXR (EX25) Serial Scanner Kit RS232	MEDS1-BRZ-3-C SR61: 3 Year 5 Day Medallion Complete
6b	1280iFR-3SER 1280iFR-3: 1D, FR Focus, red scanner (1280iFR-3), RS232	HSVC1280I-SMS3 Granit 1280i: 3 Year 1-Day Service Made Simple
Optional 7	236-316-001 Ignition Control Cable - automatically turn on the CV31 when the operator turns on the vehicle.	



## Thor CV31 Forklift Install

Option 2 - Small Keyboard  
Bluetooth Scanner



# See Page 9 for scanner accessories

	Part Number	Description	Service
	1	CV31A1APACCP0000 CV31A,Forklift Ready,9-36V,CP	MEDV2-BRZ-3-C CV31: 3 Year 5 Day Medallion Complete
	2	VE011-2003 Mounting kit, keyboard, CV31 (Attaches small keyboard VE011-2022 to the CV31)	
	3a	805-813-001 Vehicle Mounting Kit,1½" Dual Ball Mount (5½" Mounting Arm with 1½" Ball)	
	3b	VM1004BRKTKIT RAM MOUNT KIT, FLAT CLAMP BASE, SHORT ARM, 5 inches (128mm), BALL FOR VEHICLE DOCK REAR (Requires 213-043-001 KIT, CV30 MOUNTING SCREWS)	
	4	203-950-001 KIT,WIRING,DIRECT,CV31/CV61 (9-36V)	
	OR	203-950-002 Kit, DC/DC Converter, 6-96V, RoHS (DC/DC Power Supply, 6-96V Extended Range). <u>Requires adapter cable VE027-8024-C0.</u>	
	5	VE011-2022 Keyboard, compact, CV31 (Small (space constrained) QWERTY keyboard w/ TE template overlays)	
	6	SR61BXR-002 SR61 Near/Far Area Imager (EX25) with Battery	MEDS1-BRZ-3-C SR61: 3 Year 5 Day Medallion Complete
Optional	7	236-316-001 Ignition Control Cable - automatically turn on the CV31 when the operator turns on the vehicle.	

## Thor CV31 Forklift Install with Tethered Scanner – Freezer Environment -30°C

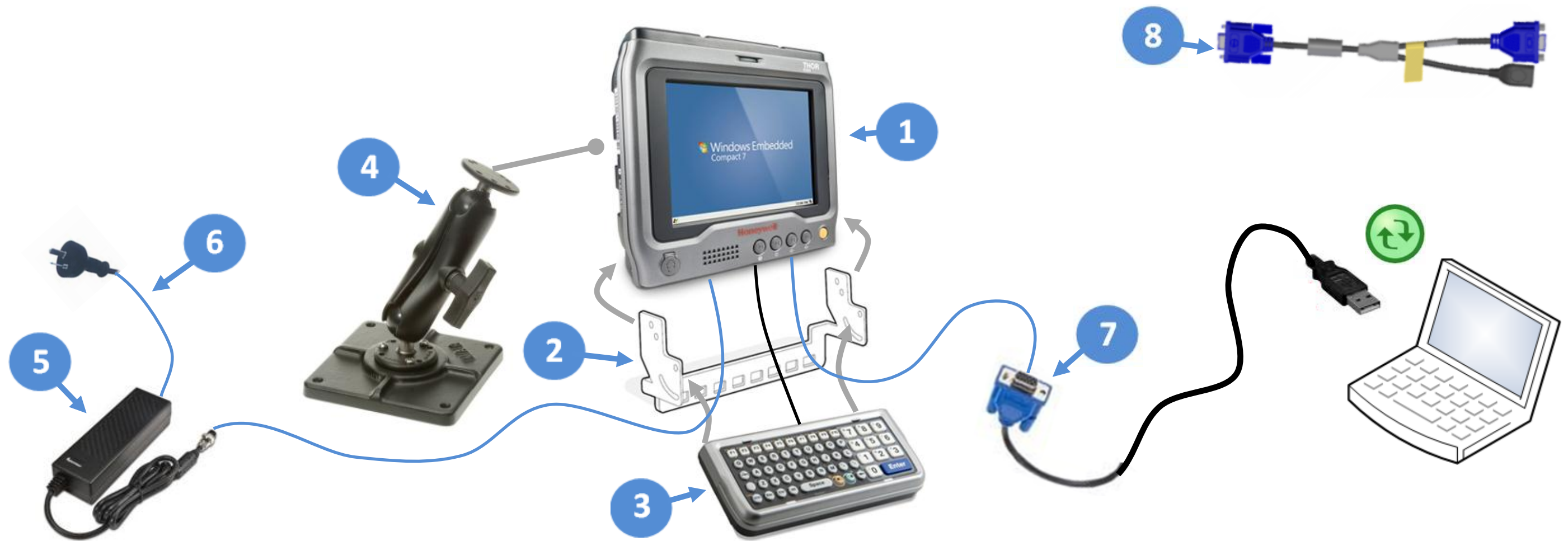


Ignition Control Cable

Keyboard Mount

	Part Number	Description	Service
1	CV31A1HPACCP0000	CV31A,Freezer Forklift,9-36V,Heated,CP	MEDV2-BRZ-3-C CV31: 3 Year 5 Day Medallion Complete
2	VE011-2003	Mounting kit, keyboard, CV31 (Attaches small keyboard VE011-2022 to the CV31)	
3	805-813-001	Vehicle Mounting Kit,1½" Dual Ball Mount (5½" Mounting Arm with 1½" Ball)	
4	203-950-001	KIT,WIRING,DIRECT,CV31/CV61 (9-36V DC)	
OR	203-950-002	Kit, DC/DC Converter, 6-96V, RoHS (DC/DC Power Supply, 6-96V Extended Range). <u>Requires adapter cable VE027-8024-C0.</u>	
5	340-054-102	Keybd,Rugged,QWERTY,5250,Xtreme Temp (DB15/USB port, recommended for continuous exposure to -30C)	
6a	SR61TXR-SER001	SR61TXR (EX25) Serial Scanner Kit RS232	MEDS1-BRZ-3-C SR61: 3 Year 5 Day Medallion Complete
6b	520-3648-N3	Heated Scanner Holder for SR61, (Requires 36 – 48 V Power)	
7	236-316-001	Ignition Control Cable - automatically turn on the CV31 when the operator turns on the vehicle.	
8	805-813-001	Vehicle Mounting Kit,1½" Dual Ball Mount (5½" Mounting Arm with 1½" Ball)	

## Thor CV31 Desktop Installation / Developer Setup



	Part Number	Description	Service
	1	CV31A1A0ACCP0000 CV31A,Basic,12V,ICP	MEDV2-BRZ-3-C CV31: 3 Year 5 Day Medallion Complete
	2	VE011-2003 Mounting kit, keyboard, CV31 (Attaches small keyboard VE011-2022 to the CV31)	
	3	VE011-2022 Keyboard, compact, CV31 (Small (space constrained) QWERTY keyboard w/ TE template overlays)	
	4	805-815-001 Desktop Mounting Kit, 1.5" Dual Ball Mount	
	5	203-955-001 Kit, AC Wall Adapter	
	6	AC Cord See Page 10 for Country Specific AC Cord	
Optional	7	VE011-2018 Cable, Single USB Client (Developer Active Synch cable)	
Optional	8	VE011-2021 Cable ASSY,High Density DB15 and USB Receptacle (DB15 adapter with USB Receptacle for 2nd USB accessory)	



## Migrating from a CV30 to Thor CV31

For migrating an existing CV30 installation to Thor CV31, most accessories can be re-used with the Thor CV31.

If using the existing CV30 power supply installation, the VE027-8024-C0 adapter cable is required to power the Thor CV31.



Part Number	Description
1	CV30A0E1100803 Available, Standard, WM5 WWE, TE2000 License, No SD, 802.11b/g ETSI [803]
2	805-813-001 Vehicle Mounting Kit, 1½" Dual Ball Mount (5½" Mounting Arm with 1½" Ball)
3	203-779-001 Kit, DC/DC Converter, <u>6-60V</u> , RoHS
OR	203-832-001 Kit, DC/DC Converter, <u>15-96V</u> , RoHS
4	VE011-2003 Mounting kit, keyboard, CV30 (Attaches small keyboard VE011-2022 to the CV30)
5	VE011-2022 Keyboard, compact, CV30

### CV30 to CV31 Power Adapter Cable.

For use connecting legacy CV30 5-pin power output cables to CV31 6-pin input

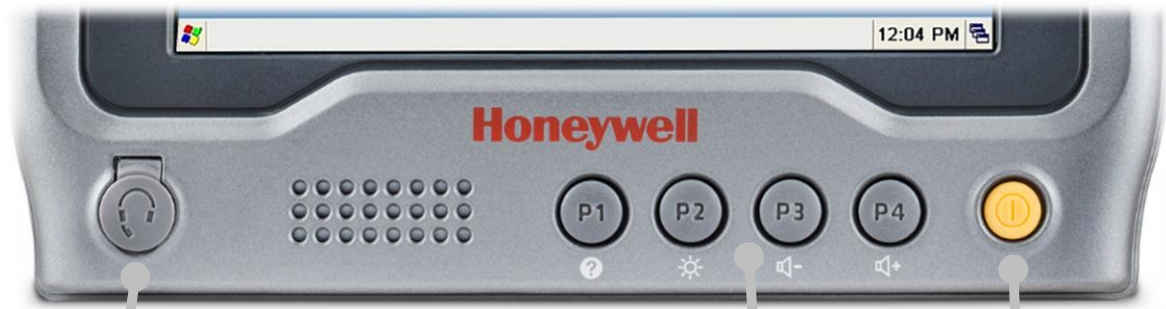
VE027-8024-C0 Cable, 5 Pin Male to 6Pin Female

### CV30 to CV31 Replacement Mounting Screws.

213-043-001 KIT, CV30 MOUNTING SCREWS

Adhesive-coated mounting screws resist backing out under vibration. Recommended kit for customers that want to re-install mounting balls from their CV30 to a Thor CV31.

## Thor CV31 I/O Connectors



CV31, 4-wire type connector that supports Stereo Output, Microphone Input and PTT button.

Programmable Keys

Power Button

External Antenna Port (Auto Sensing)



Near Field Communication (NFC)

Touch Connect™ pairing for Vocollect Bluetooth Headset



RJ45 Ethernet

COM1 COM3  
DB9M Serial Ports  
+5V Pin 9  
Serial Scanners

AUX DB15M USB  
Ports

Power Connector



VE011-2017 - Cable, Dual USB, CVxx

203-950-001 - KIT.WIRING.DIRECT.CV31/CV61



## Scanner & Accessories Options

### SR61B/SR61T Mounts



825-181-001 SR61 Dangle Suspension



203-876-002 Wall Mount/Vehicle Mount Holder, SR61

### SR61B Bluetooth Spare Battery



075082-002 Spare Battery W/Boot Accessory, SR61



761 Vehicle Mounted Scanner Charger  
12-48V Power Required  
(3rd Party Product – JLC Solutions)

### SR61B Bluetooth Battery Chargers



852-907-001 Charger, 2 bay, SR61/IP30  
851-095-131 Universal Supply, 12V 48W, RA 2.5x5.5 Level V  
AC Cord See Page 10 for Country Specific AC Cord



852-908-001 Charger, 4 bay, SR61/IP30  
851-095-131 Universal Supply, 12V 48W, RA 2.5x5.5 Level V  
AC Cord See Page 10 for Country Specific AC Cord

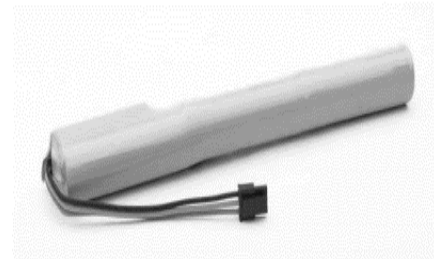


852-902-001 Charger, 8 bay, SR61/IP30  
851-095-131 Universal Supply, 12V 48W, RA 2.5x5.5 Level V  
AC Cord See Page 10 for Country Specific AC Cord

## Miscellaneous Accessories



346-086-001 Kit, CV31 Screen Protector, 10-pack



213-042-001 Kit, CV31 Replacement Battery



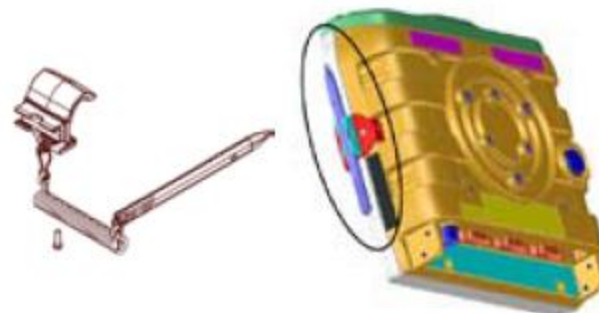
858-098-001 Bar Code Swipe Reader, Visible Light



VE011-2006 Kit, Wall Mounting Bracket



VE011-2015 Kit, Replacement Stylus, 5-pack



VE011-2004 Kit, Stylus & Tethered Mount  
(Contains 1 Stylus)



VE011-2021 CBL ASSY,High Density DB15 and USB Receptacle  
(DB15 adapter with USB Receptacle for 2nd USB accessory)

### AC Cords

Part Number	Description
1-974030-025	AC Power Cord, Australia
071918	AC Power Cord, China
321-501-002	AC Power Cord, Denmark
1-974027-025	AC Power Cord, Europe
321-502-002	AC Power Cord, India & South Africa
321-471-002	AC Power Cord, Italy
321-500-002	AC Power Cord, Japan
321-470-001	AC Power Cord, Switzerland
1-974029-020	AC Power Cord, United Kingdom
1-974028-025	AC Power Cord, United States

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