Thor VM1A Computer – Configuration Guide
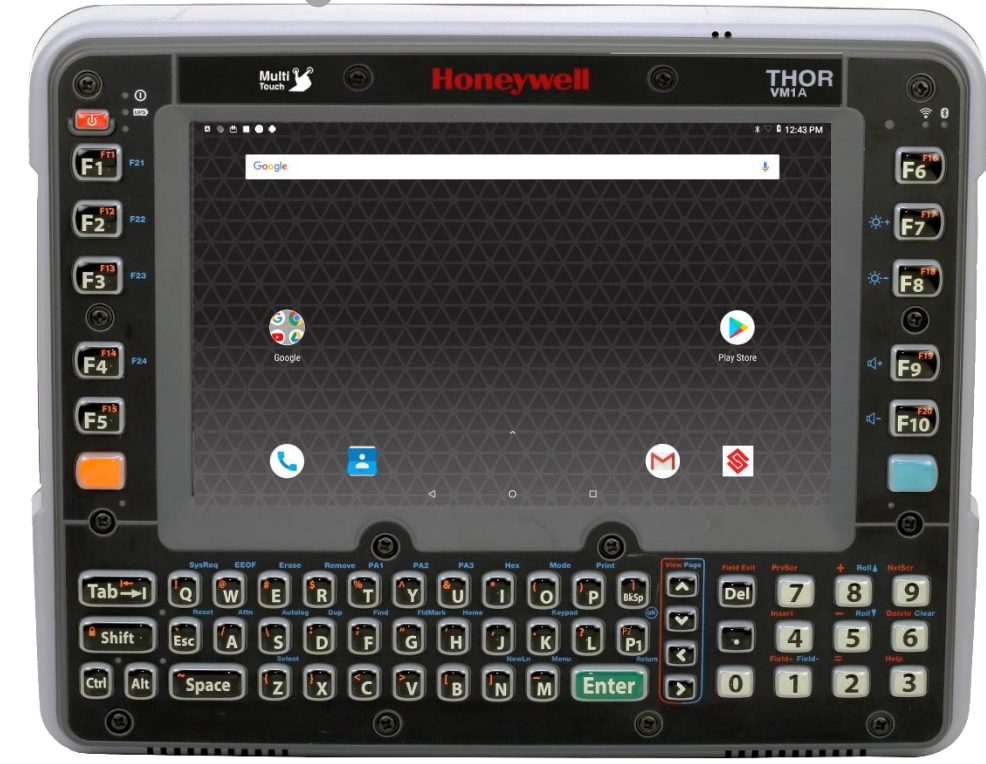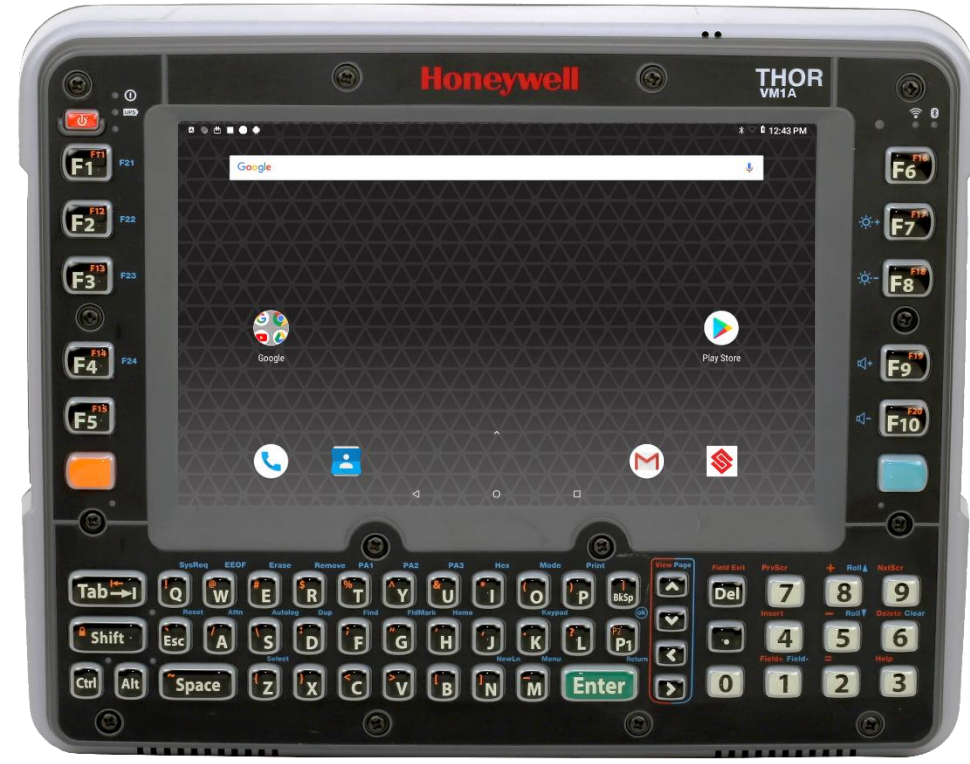
Indoor 400 NITS Display

Multi Touch

VM1A – Indoor RESISTIVE – INTERNAL Antenna

VM1A-L0N-1A1A20A	VM1A / Indoor Resistive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / Internal WLAN Antennas / Bluetooth

VM1A – Indoor CAPACITIVE – INTERNAL Antenna

VM1A-L0N-1A4A20A	VM1A / Indoor Capacitive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / Internal WLAN Antennas / Bluetooth

VM1A – Indoor RESISTIVE – EXTERNAL_Antenna

VM1A-L0N-1B1A20A	VM1A / Indoor Resistive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / External WLAN Antenna Connections / Bluetooth

VM1A – Indoor CAPACITIVE – EXTERNAL Antenna

VM1A-L0N-1B4A20A	VM1A / Indoor Capacitive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / External WLAN Antenna Connections / Bluetooth

(Note: x = Domain, select appropriate Domain from Configuration Map on page 4)

Honeywell Repair Services

SVCVM1-5FC3	VM1, PLUS, 5 Day Turnaround, 3 Year, Day One

Honeywell

Thor VM1A Computer – Configuration Guide
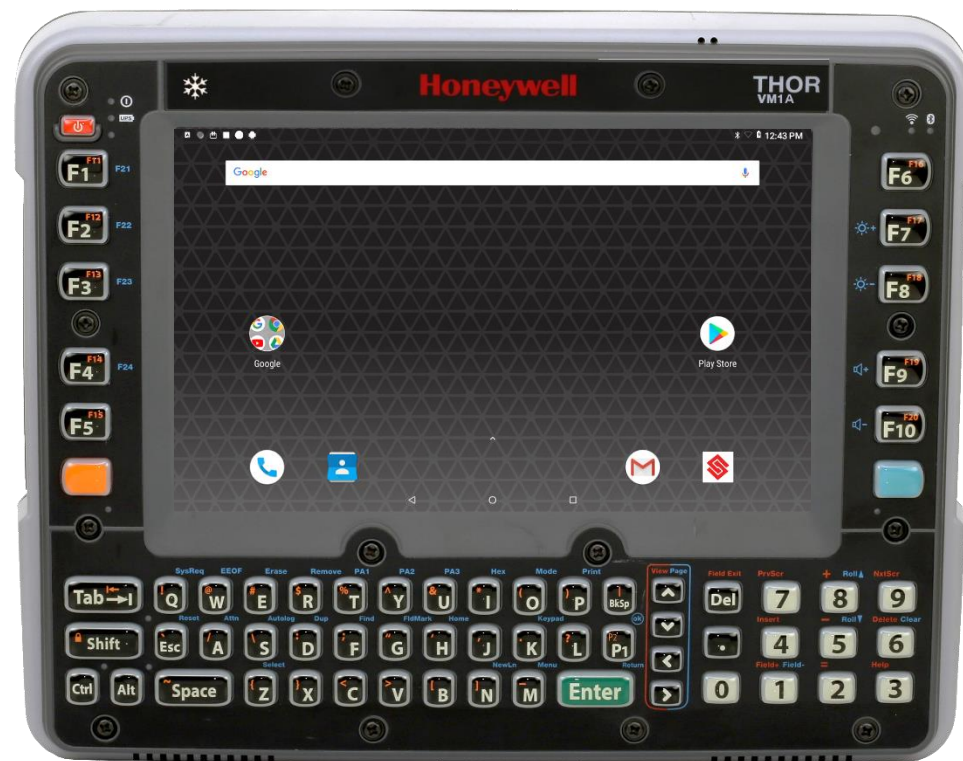
Defroster 400 NITS Display

❄
-30°C

DEFROSTER 400 NITS
DISPLAY

📶
WiFi / BT

❄ VM1A – Defroster RESISTIVE – INTERNAL Antenna

VM1A-LON-1A2A2OA	VM1A / Defroster Resistive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / Internal WLAN Antennas / Bluetooth

❄ VM1A – Defroster RESISTIVE – EXTERNAL Antenna

VM1A-LON-1B2A2OA	VM1A / Defroster Resistive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / External WLAN Antenna Connections / Bluetooth

(Note: x = Domain, select appropriate Domain from Configuration Map on page 4)

Honeywell Repair Services

SVCVM1-5FC3	VM1, PLUS, 5 Day Turnaround, 3 Year, Day One

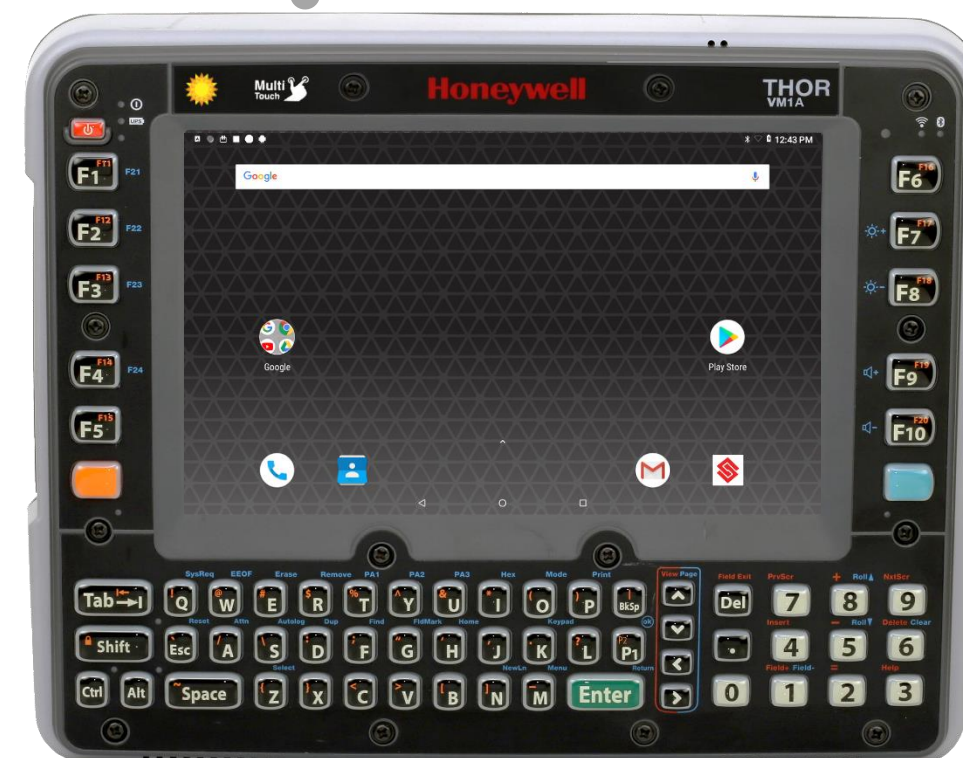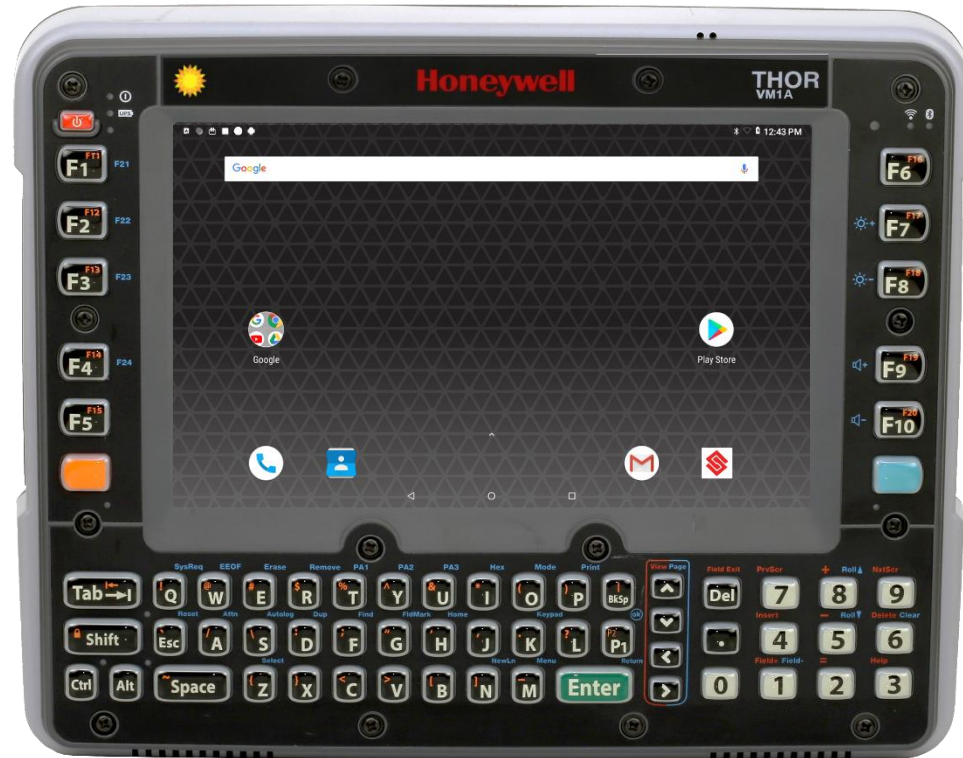# Thor VM1A Computer – Configuration Guide

Outdoor 900 NITS Display

OUTDOOR 900 NITS
DISPLAY

WiFi / BT

Multi Touch

VM1A – Outdoor RESISTIVE – INTERNAL Antenna

VM1A-L0N-1A3A20A	VM1A / Outdoor Resistive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / Internal WLAN Antennas / Bluetooth

VM1A – Outdoor CAPACITIVE – INTERNAL Antenna

VM1A-L0N-1A6A20A	VM1A / Outdoor Capacitive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / Internal WLAN Antennas / Bluetooth

VM1A – Outdoor RESISTIVE – EXTERNAL Antenna

VM1A-L0N-1B3A20A	VM1A / Outdoor Resistive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / External WLAN Antenna Connections / Bluetooth

VM1A – Outdoor CAPACITIVE – EXTERNAL Antenna

VM1A-L0N-1B6A20A	VM1A / Outdoor Capacitive / Android ML GMS / Client Pack / 4GB / 32GB / 802.11abgnac / External WLAN Antenna Connections / Bluetooth

(Note: x = Domain, select appropriate Domain from Configuration Map on page 4)

Honeywell Repair Services

SVCVM1-5FC3	VM1, PLUS, 5 Day Turnaround, 3 Year, Day One

Honeywell

Thor VM1A Configuration Map

Bluetooth/ WiFi	WWAN	NFC	Memory & Keyboard	WLAN Antenna	Display & Touchscreen	Operating System	Application	Custom	Domain	Description	Notes
VM1A-											
L										802.11 a/b/g/n/ac/r/k/mc + Bluetooth 5.0	2x2 MIMO IEEE 802.11 a/b/g/n/ac/r/k/mc ; Wi-Fi certified V5.0 Bluetooth and BLE Supported Bluetooth Profiles: HFP,PBAP, A2DP, AVRCP, OPP, SPP, GATT
	0									No WWAN	
		N								Near Field Communication (NFC)	Integrated Near Field Communication
			—								
			1							4GB RAM, 32GB SSD, ANSI/5250	
				A						Internal WLAN antennas	
				B						External WLAN antenna connections	Requires External Antenna's to be ordered separately VM2276ANTENNA - Set of two VM2 Dual Band WLAN Whip Antennas OR VM1277ANTENNA - Remote 802.11 Dual Band Antenna Kit 15 Ft
					1					Indoor, Resistive	400 NITS Resistive Touch Screen
					2					Defroster, Resistive	400 NITS Resistive Touch Screen
					3					Outdoor, Resistive	900 NITS Resistive Touch Screen
					4					Indoor, Capacitive	400 NITS Projected Capacitive (PCAP) Touch Screen
					6					Outdoor, Capacitive	900 NITS Projected Capacitive (PCAP) Touch Screen
						A				Android Oreo 8 (GMS)	Google Mobile Services (GMS) certified – Play Store
						B				Android Oreo 8 (Non-GMS)	
							1			Standard Software Build	
							2			Software Client Pack (SCP)	SmartTE Terminal Emulator, Enterprise Browser and Launcher
								0		No Custom	
									A	ANZ & Arg	Argentina, Australia, New Zealand

Honeywell Repair Services

VM1A – Repair Services

For Best-In-Class Service

With Honeywell Repair Services, it's easy to get the level of repair coverage and protection that makes the most sense for your business. And our repair services are now available in over 70 countries with global pricing and global standards of quality.

Choose from one of our new cost-effective Repair Service contract programs – Complete, Plus or Basic – to get the right amount of coverage and protection you need for your durable, rugged and ultra-rugged products. And for equipment not covered by a contract service plan, you can choose from our Non-Contract Repair Service offerings, which include flat-rate repairs, time-and-materials repairs and more.

Plus Repair Services

Protect your technology investment! With Honeywell's 3 and 5 year Plus comprehensive repair services plan, you won't incur any additional costs beyond the plan enrollment for service on covered devices and eligible accessories included with equipment sent to the depot for service. Eligible accessories include damaged styluses, battery-door covers, screen protectors, hand straps and clips.

Service Overview
- Features and benefits include:
- Comprehensive coverage – including device replacement for rugged or stationary products
- Day One multi-year pricing for lower annualized costs
- Three years of locked-in service-price protection, with optional renewals
- Options for 2-day and 5-day service levels
- Cleaning and preventive maintenance
- Telephone-based technical support
- Convenient online Return Authorization requests and access to online service-history reports
- Plus coverage must be purchased within 30 days of equipment purchase
- Optional Sentinel Extended Service that protects customers for future security updates on Android.
      For more information on Sentinel Service contact your local Honeywell representative.

Part#	Description
SVCVM1-5FC3	VM1, PLUS, 5 Day Turnaround, 3 Year Day One
SVCVM1-5FC5	VM1, PLUS, 5 Day Turnaround, 5 Year, Day One
SVCVM1-2FC3	VM1, PLUS, 2 Day Turnaround, 3 Year, Day One
SVCVM1-2FC5	VM1, PLUS, 2 Day Turnaround, 5 Year, Day One

Extending Android Security Patch Support

Honeywell's latest service innovation, Sentinel Service, reduces the exposure to threats to your Honeywell mobile devices by providing the following:

- Easy access to OS updates during support period
- Predictable security updates after end-of support date for Android™ 6.0 or greater
- Upgrades to the latest OS if available

Not only does Sentinel Service protect against threats but it can also reduce the total cost of ownership by extending the life of the OS up to 2 years beyond the Google® end-of-support date.

Sentinel Service comes standard with a Honeywell COMPLETE Service Contract or can be added on to any 3- or 5-year Honeywell PLUS Service Contract.

Part#	Description
SVCSENTINEL-MOB1	Sentinel Service, 1 Year Android Support Contract
SVCSENTINEL-MOB2	Sentinel Service, 2 Year Android Support Contract

Honeywell Repair Services

VM1A – Repair Services

For Best-In-Class Service

VM1A

Comprehensive Coverage:
- Accidental Damage
- Device Replacement
- Wear & Tear

Includes Replacement of:
- Stylus

VMDOCK

Comprehensive Coverage:
- Accidental Damage
- Device Replacement
- Wear & Tear

VM1001VMCRADLE

VM3001VMCRADLE

Warranty Cover Against Product Defect

BASIC Service

VM1A PLUS Service

VMDOCK PLUS Service

Part#	Description
SVCVM1-EXW2	VM1, BASIC, 10-15 Day Turnaround, 2 Years (1 Year Factory Warranty + 1 Year Extended)
SVCVM1-5FC3	VM1, PLUS, 5 Day Turnaround, 3 Year, Day One
SVCVM1-5FC5	VM1, PLUS, 5 Day Turnaround, 5 Year, Day One

Part#	Description
SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 Day Turnaround, 3 Year DayOne
SVCVMDOCK-5LC5	VM1, VM2, VM3, CV41 Dock, PLUS, 5 Day Turnaround, 5 Year DayOne

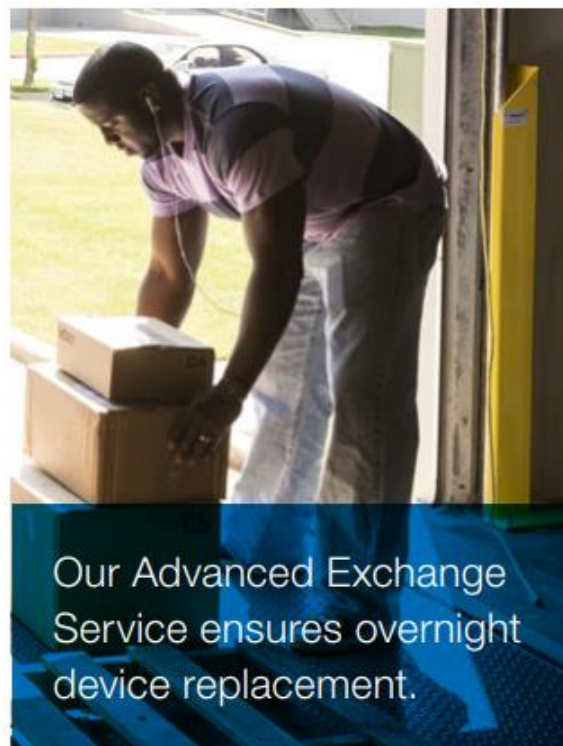## Honeywell Repair Services

VM1A– Repair Services

For Best-In-Class Service

Advanced Exchange Service:
Your Equipment "On Demand"

For overnight replacement of your Honeywell device, upgrade to our Advanced Exchange Service.

- Customer-owned, Honeywell-managed inventory ready for overnight shipment when you need it.
- Ship the damaged device to us; we'll repair it and add it to your Honeywell managed inventory to replace the device we shipped.

Part#	Description
SVCVM1-AEFC3	VM1, Plus, Advanced Exchange, 3 Year, Day 1

Our Advanced Exchange Service ensures overnight device replacement.

Golden Image

Need the Honeywell Repair Centre to load your software after repair, the Golden Image can be loaded to fast track your devices.

- This is an additional offering which can be added to your Plus and Complete Service.
- Please contact your local Honeywell Representative for more information on this service.

Part#	Description
SVCMOB-IMAGE3	Golden Image Service - load of customer image on units in repair, Adder to Comprehensive Service, 3 Year Term, 100 unit minimum, Contact Services Sales Manager for Pricing
SVCMOB-IMAGE5	Golden Image Service - load of customer image on units in repair, Adder to Comprehensive Service, 5 Year Term, 100 unit minimum, Contact Services Sales Manager for Pricing

Thor VM1A Forklift Install

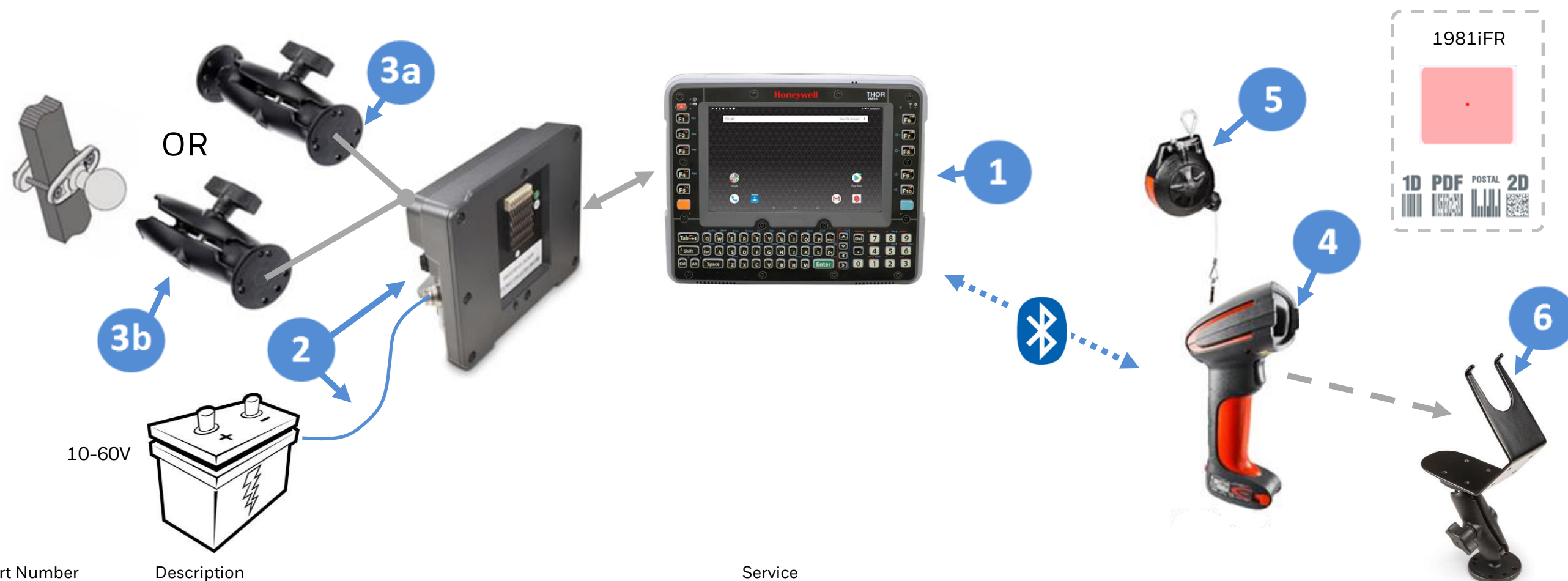## Option 1 – Indoor 400 NITS - Internal Antenna - Tethered Scanner

1980iFR

	Part Number	Description		Service	
1	VM1A-L0N-1A1A20A	VM1A Indoor Resistive / Internal Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
OR	VM1A-L0N-1A4A20A	VM1A Indoor Capacitive / Internal Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
2	VM1001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
OR	VM3001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, Enhanced I/O, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
3a	VM1001BRKTKIT	RAM mount kit, Round Base, Short arm 5inch (128 mm)	3b	VM1004BRKTKIT	RAM mount kit, Clamp Base, Short arm 5inch (128 mm)
OR	VM1002BRKTKIT	RAM mount kit, Round Base, Medium arm 8.5inch (215 mm)	OR	VM1005BRKTKIT	RAM mount kit, Clamp Base, Medium arm 8.5inch (215 mm)
OR	VM1003BRKTKIT	RAM mount kit, Round Base, Long arm 13inch (330 mm)	OR	VM1006BRKTKIT	RAM mount kit, Clamp Base, Long arm 13inch (330 mm)
4	1980iFR-3SER	1980iFR-3: 1D/2D, FR focus (EX20), red scanner (1980iFR-3), RS232		SVC1980I-5FC3	1980I, PLUS, 5 day turn, 3 year DayOne
Optional	5	TOOLBAL	Scanner take up reel/balancer		
Optional	6	VMHOLDERK	Vehicle Mount Kit: contains vehicle mount forked holder		

Thor VM1A Forklift Install

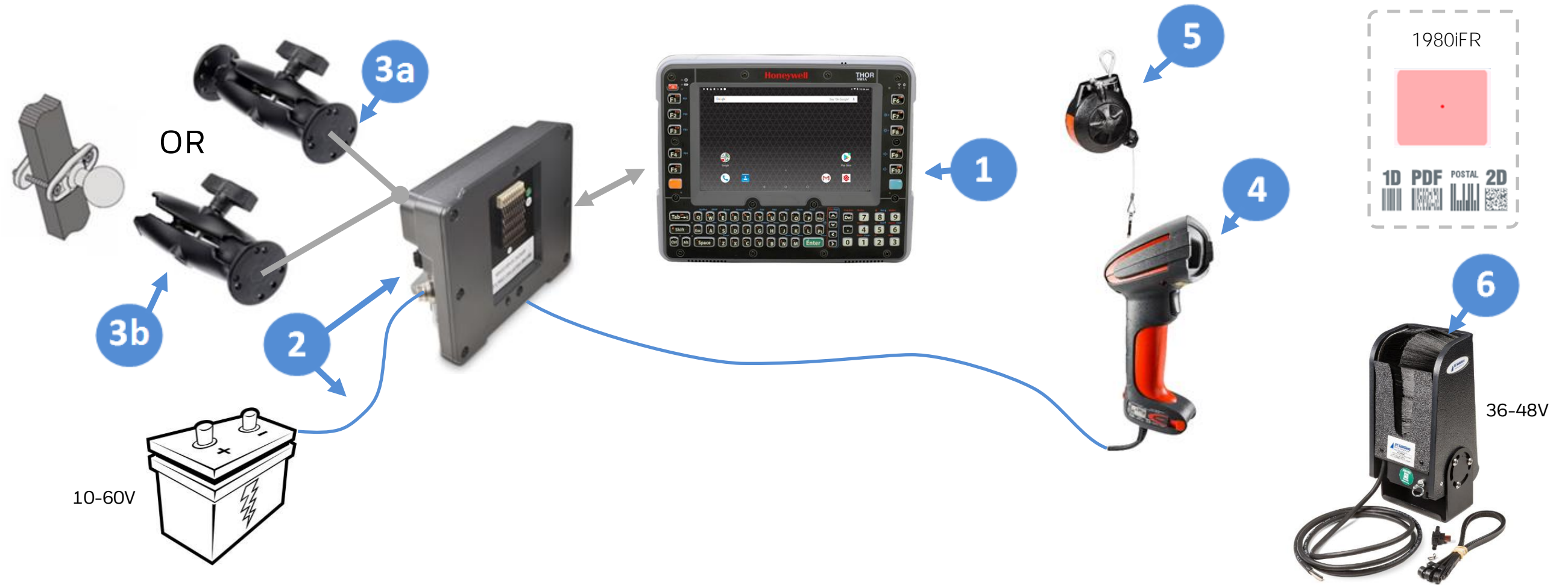## Option 2 – Indoor 400 NITS - Internal Antenna - Bluetooth Scanner

	Part Number	Description				
1	VM1A-L0N-1A1A20A	VM1A Indoor Resistive / Internal Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne	
OR	VM1A-L0N-1A4A20A	VM1A Indoor Capacitive / Internal Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne	
2	VM1001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne	
OR	VM3001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, Enhanced I/O, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne	
3a	VM1001BRKTKIT	RAM mount kit, Round Base, Short arm 5inch (128 mm)	3b	VM1004BRKTKIT	RAM mount kit, Clamp Base, Short arm 5inch (128 mm)	
OR	VM1002BRKTKIT	RAM mount kit, Round Base, Medium arm 8.5inch (215 mm)	OR	VM1005BRKTKIT	RAM mount kit, Clamp Base, Medium arm 8.5inch (215 mm)	
OR	VM1003BRKTKIT	RAM mount kit, Round Base, Long arm 13inch (330 mm)	OR	VM1006BRKTKIT	RAM mount kit, Clamp Base, Long arm 13inch (330 mm)	
4	1981iFR-3	Scanner, 1D/2D, FR focus (EX20), red, Bluetooth Class 1, with vibrator **		SVC1981I-5FC3	1981I, PLUS, 5 day turn, 3 year DayOne	
Optional 5	TOOLBAL	Scanner take up reel/balancer				
Optional 6	VMHOLDERK	Vehicle Mount Kit: contains vehicle mount forked holder				

**See Page 21 for 1981i Bluetooth Scanner Battery Chargers.

Thor VM1A Forklift Install

Option 3 – Freezer Install 36-48V - 400 NITS - Internal Antenna - Tethered Scanner

-30˚C

OR

1980iFR

1D PDF POSTAL 2D

36-48V

10-60V

	Part Number	Description		Service	
1	VM1A-L0N-1A2A20A	VM1A Indoor Resistive Defroster / Internal Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
2	VM1001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
OR	VM3001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, Enhanced I/O, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
3a	VM1001BRKTKIT	RAM mount kit, Round Base, Short arm 5inch (128 mm)	3b	VM1004BRKTKIT	RAM mount kit, Clamp Base, Short arm 5inch (128 mm)
OR	VM1002BRKTKIT	RAM mount kit, Round Base, Medium arm 8.5inch (215 mm)	OR	VM1005BRKTKIT	RAM mount kit, Clamp Base, Medium arm 8.5inch (215 mm)
OR	VM1003BRKTKIT	RAM mount kit, Round Base, Long arm 13inch (330 mm)	OR	VM1006BRKTKIT	RAM mount kit, Clamp Base, Long arm 13inch (330 mm)
4	1980iFR-3SER	1980iFR-3: 1D/2D, FR focus (EX20), red scanner (1980iFR-3), RS232		SVC1981I-5FC3	1981I, PLUS, 5 day turn, 3 year DayOne
5	TOOLBAL	Scanner take up reel/balancer			
6	520L-3648-S3	SCANNER HEATER WITH CABLE RETRACTOR, 36V-48V, works with 8500 and Granit series of scanners			

Thor VM1A Forklift Install

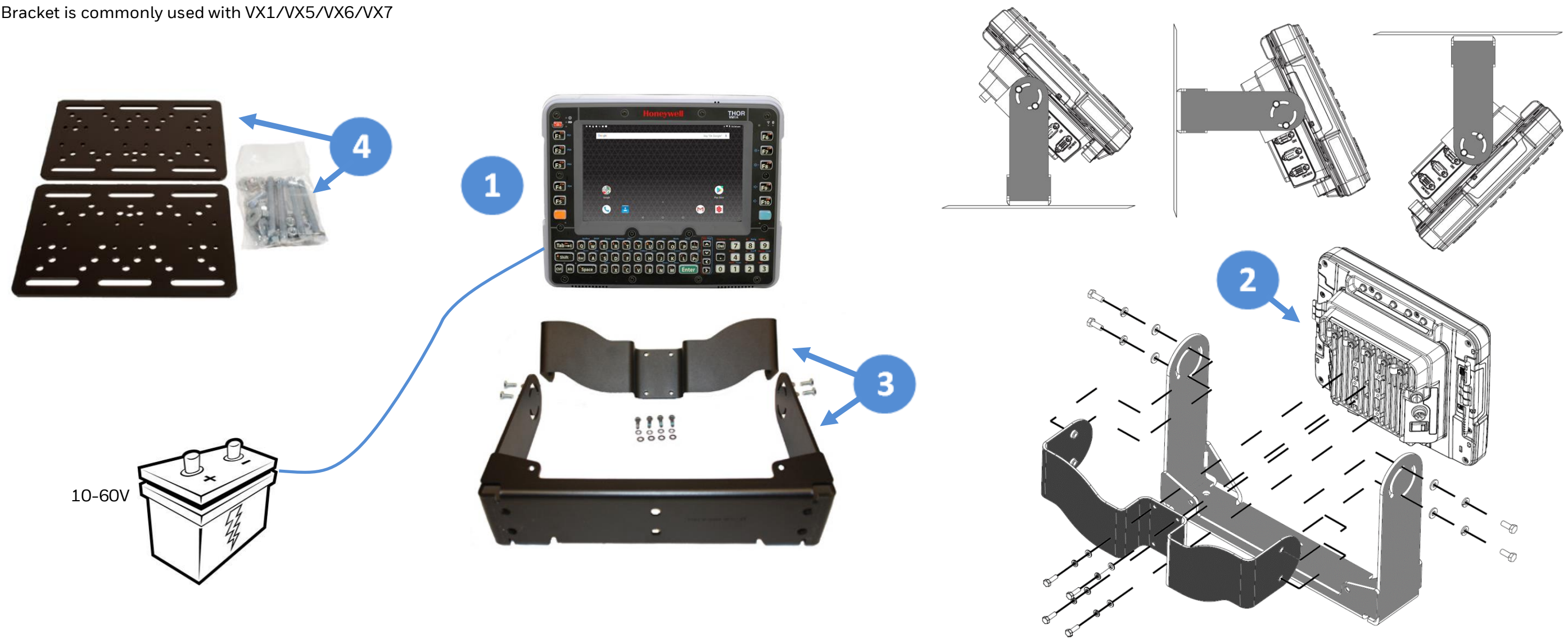## Option 4 – Outdoor 900 NITS - External Antenna - Tethered Scanner

1980iFR

	Part Number	Description		Service	
1	VM1A-L0N-1A3A20A	VM1A Outdoor Resistive / External Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
OR	VM1A-L0N-1A6A20A	VM1A Outdoor Capacitive / External Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
2	VM1001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
OR	VM3001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, Enhanced I/O, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
3a	VM1001BRKTKIT	RAM mount kit, Round Base, Short arm 5inch (128 mm)	3b	VM1004BRKTKIT	RAM mount kit, Clamp Base, Short arm 5inch (128 mm)
OR	VM1002BRKTKIT	RAM mount kit, Round Base, Medium arm 8.5inch (215 mm)	OR	VM1005BRKTKIT	RAM mount kit, Clamp Base, Medium arm 8.5inch (215 mm)
OR	VM1003BRKTKIT	RAM mount kit, Round Base, Long arm 13inch (330 mm)	OR	VM1006BRKTKIT	RAM mount kit, Clamp Base, Long arm 13inch (330 mm)
4	1980iFR-3SER	1980iFR-3: 1D/2D, FR focus (EX20), red scanner (1980iFR-3), RS232		SVC1981I-5FC3	1981I, PLUS, 5 day turn, 3 year DayOne
5	TOOLBAL	Scanner take up reel/balancer			
6	VM2276ANTENNA	Set of two VM2 Dual Band WLAN Whip Antennas - attach directly to computer			

Thor VM1A Forklift Install

Option 5 – U-Bracket Mounting

U-Bracket is commonly used with VX1/VX5/VX6/VX7

10-60V

	Part Number	Description	Service	
1	VM1A-L0N-1A3A20A	VM1A Outdoor Resistive / External Antenna / Client Pack	SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
OR	VM1A-L0N-1A6A20A	VM1A Outdoor Capacitive / External Antenna / Client Pack	SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
2	VM1001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, 10 TO 60 VDC	SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
OR	VM3001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, Enhanced I/O, 10 TO 60 VDC	SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
3	VM1010BRKTKIT	Thor U-Bracket mount kit, includes U-Bracket, Adapter Bracket and hardware		
Optional 4	9000033PLATE	RAM Ball Mounting Backer Plates (QTY 2) with Nuts and Bolts		

(These two plates can be mounted on each side of the forklift roof. Various RAM balls can be attached to these plates to avoid having to drill mounting holes or weld to the forklift.)

Thor VM1A with Fixed AC Power

Standard AC Power Connection for IT Setup/ Staging

VM1A Side Door Access for USB

	Part Number	Description		Service	
1	VM1A-L0N-1A3A20A	VM1A Outdoor Resistive / External Antenna / Client Pack		SVCVM1-5FC3	VM1, PLUS, 5 day turn, 3 year DayOne
2	VM1001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, 10 TO 60 VDC,		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
OR	VM3001VMCRADLE	DOCK WITH INTEGRAL POWER SUPPLY, Enhanced I/O, 10 TO 60 VDC		SVCVMDOCK-5LC3	VM1, VM2, VM3, CV41 Dock, PLUS, 5 day turn, 3 year DayOne
3a	VM1001BRKTKIT	RAM mount kit, Round Base, Short arm 5inch (128 mm)	3b	VM1004BRKTKIT	RAM mount kit, Clamp Base, Short arm 5inch (128 mm)
OR	VM1002BRKTKIT	RAM mount kit, Round Base, Medium arm 8.5inch (215 mm)	OR	VM1005BRKTKIT	RAM mount kit, Clamp Base, Medium arm 8.5inch (215 mm)
OR	VM1003BRKTKIT	RAM mount kit, Round Base, Long arm 13inch (330 mm)	OR	VM1006BRKTKIT	RAM mount kit, Clamp Base, Long arm 13inch (330 mm)
4	VM1078CABLE	POWER CABLE ADAPTER FOR AC POWER SUPPLY			
5	VX89531PLATE	RAM METAL TABLE STAND PLATE, NO BALL INCLUDED			
6	VM1302PWRSPLY	AC/DC POWER SUPPLY, (C14 TYPE POWER CORD REQUIRED)			
7	AC Cord	See Page 27 for Country Specific AC Cord			
Optional 8	CBL-500-120-S00-03	Charging and USB communication cable, USB type A to MicroB USB, 1.2 m (3.9 ft) for USB connection to Android Debug Bridge (ADB) or File Transfer.			
Optional	VM3052CABLE	VM3 USB Y cable – DB15M to two USB type A plug 10ft. (3.05m) host. (See page 13 for image)			

Thor VM1A Forklift Install

Migrating Intermec CV30/CV60 to Thor VM1A

Power Supply
For migrating an existing CV30/CV60 installation to Thor VM1A, most accessories can be re-used with the Thor VM1A.
If using the existing CV30/CV60 power supply installation, the VM3078CABLE adapter cable is required to power the Thor VM1A.
Dock: Use VM1002VMCRADLE, does include "D" ball for Dock but does not include DC power cable

Mounts
Reuse CV30/CV60 single ball "D" RAM Mount
If "E" Ball is in use, it will need to be changed to "D".

Scanners
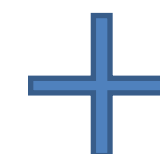Reuse existing Intermec SR61 or Honeywell Granit Scanners.

VM1A Computer

VM1002VMCRADLE Dock Only
(Includes "D" Ball / No DC Power Cable)

	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, **6-60V**, RoHS
OR	203-832-001	Kit, DC/DC Converter, **15-96V**, RoHS
4	VE011-2003	Mounting kit, keyboard, CV30 (Attaches small keyboard VE011-2022 to the CV30)
5	VE011-2022	Keyboard, compact, CV30 (Small (space constrained) QWERTY keyboard w/ TE template overlays)

VM3078CABLE	Cable adapts CV30/ CV60 power cable to VM Series and CV41 docks
	(Adapts 5-Pin Connector to VM Series Docks)

Thor VM1A Forklift Install

Migrating Intermec CV61 to Thor VM1A

Power Supply
For migrating an existing CV61 installation to Thor VM1A, most accessories can be re-used with the Thor VM1A.
If using the existing CV61 power supply installation, the VM3079CABLE adapter cable is required to power the Thor VM1A.
Dock: Use VM1002VMCRADLE, does include "D" ball for Dock but does not include DC power cable

Mounts
Reuse CV61 single ball "D" RAM Mount
If "E" Ball is in use, it will need to be changed to "D".

Scanners
Reuse existing Intermec SR61 or Honeywell Granit Scanners.

VM1A Computer

VM1002VMCRADLE Dock Only
(Includes "D" Ball / No DC Power Cable)

VM3079CABLE — Cable adapts CV61 power cable to VM Series and CV41 docks

(Adapts 6-Pin Connector to VM Series Docks)

	Part Number	Description
1	CV61A11XPAN80000	CV61A, Standard Touch,1GB RAM, Windows XP Multilingual 40GB Solid State Drive,802.11 a/b/g/n (Worldwide)
OR	CV61A127MAN80000	CV61A, Standard Touch,2GB RAM, Windows 7 Multilingual 40GB Solid State Drive,802.11 a/b/g/n (Worldwide)
2	203-956-001	Vehicle Mounting Kit, Stubby Extra Duty RoHS (Includes CV61 Back Plate, 5" Arm, 2x Extra Duty 3.375" Balls.
3	203-950-001	KIT,WIRING,DIRECT,CV61 (For use direct wire 6-60V DC trucks to CV61 DC/DC input. Not for use with Heated touch screen.)
6	G9A-KB001-02	CV60 - Keyboard Mounting Kit (Tray mount attaches directly to CV61. Fully swivels. Compatible with all rugged keyboards.)
7	340-053-003	Keyboard, 101 Key, Backlit SLK-101 Win RoHS (PS/2, Windows layout)

Thor VM1A Forklift Install

Migrating LXE VX8/ VX9 to Thor VM1A

Power Supply
Connect VX8/VX9 power cable directly to the dock if the screen blanking option is not used
Adapter cable (VM1082CABLE) available to allow the VX8 or VX9 power cable to be reused in screen blanking applications
Dock: Use VM1002VMCRADLE, does include "D" ball for Dock but does not include DC power cable

Mounts
Reuse VX8 or VX9 single "D" ball RAM mount

VM1A Computer

VM1002VMCRADLE Dock Only
(Includes "D" Ball / No DC Power Cable)

VX8/VX9 Rear Mounting

Thor VM1A Forklift Install

Migrating LXE VX6/ VX7 to Thor VM1A

Power Supply
Adapter cable VM1077CABLE enables reuse of the VX6/VX7 power cable
Dock: Use VM1003VMCRADLE, Dock Only does not include any mounts or DC power cable

Mounts
Reuse VX6 or VX7 single "D" ball RAM mount
Adapter Bracket for U-Bracket mount VM1011BRACKET

VM1077CABLE	ADAPTER CABLE FOR VX5/VX6/VX7 DC POWER CABLE

VX6

VX7

VX6/VX7 Rear RAM Mounting

VM1A Computer

VM1003VMCRADLE   Dock Only
(No Mounts/ No DC Power Cable)

VX6 U-Bracket

VX7 U-Bracket

VM1011BRACKET	Thor Adapter Bracket for VX1, VX2, VX4, VX6 & VX7 U-Bracket Mounts
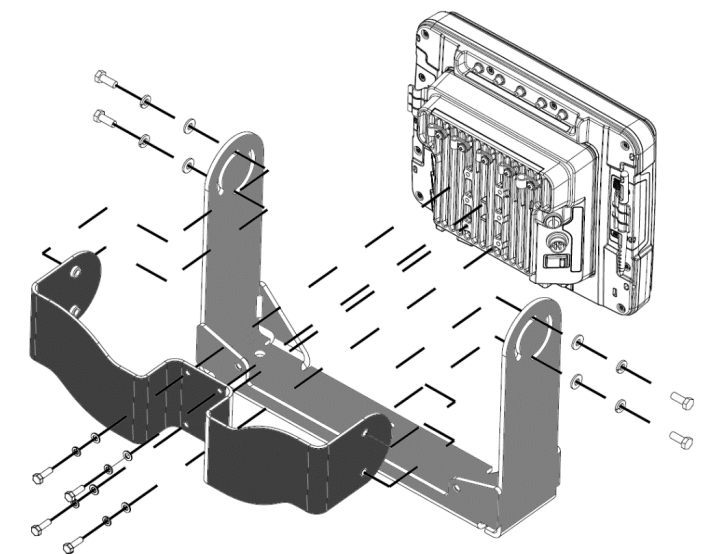
Exploded View of adapter plate installed into U-Bracket.

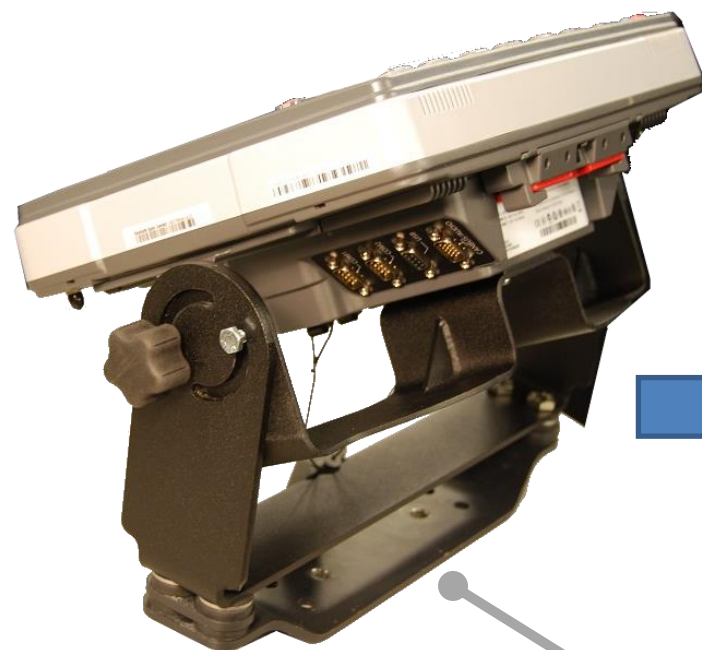# Thor VM1A Forklift Install

Migrating VC5x9x to Thor VM1A

Power Supply
Adapter cable VM3080CABLE enables reuse of VC5x9x power cables
Dock: Use VM1002VMCRADLE, does include "D" ball for Dock but does not include DC power cable

Mounts
Reuse VC5x9x U-Bracket mount with Adapter Bracket VM1012BRACKET

VC5x9x Mounting plate

Front View

Top View

VM1A Computer

VM1002VMCRADLE   Dock Only
(Includes "D" Ball / No DC Power Cable)

Exploded View of adapter plate to VC5x9x mounting bracket.

VM1012BRACKET	Adapter bracket, VM1A, VM1, VM2 and VM3 to VC5090 mounting bracket.

VM3080CABLE	Cable adapts VC5090 power cable to VM Series and CV41 docks

Thor VM1A I/O Connectors

VM3001VMCRADLE DOCK WITH INTEGRAL POWER SUPPLY,Enhanced I/O ,10 TO 60 VDC, DC POWER CABLE INCLUDED

VM3010BRKTKIT VM3 RAM mount kit for numeric keypad or scanner holder

With Dust Cover installed

Ethernet RJ45
USB Host type A
(USB for software upgrades

COM1   COM2
DB9M Serial Ports +5V Pin 9
Serial Scanners

VM3052CABLE   VM3 USB Y cable – DB15M to two USB type A Host ports.

(Connects to USB2 connector)

VM1052CABLE   USB Y cable – DB9M to USB type A plug 6ft. (1.8m) client and USB type A socket 0.5ft. (0.15m) host.

(Connects to USB1 connector)

Scanner & Accessories Options

1980i / 1981i Mounts

TOOLBAL	Scanner take up reel/balancer (scanner sold separately)

VMHOLDERK	Vehicle Mount Kit: contains vehicle mount forked holder (VM Holder) (scanner sold separately)

VM3010BRKTKIT	VM3 RAM mount kit
VM3012BRKTKIT	Scanner Holder for Vehicle Mount, holder cup only

Note: Requires VM3001VMCRADLE for mounting

Scanner Heater

521L-12-S3	12V, works with 8500 and Granit series of scanners
521L-24-S3	24V, works with 8500 and Granit series of scanners
521L-3648-S3	36-48V, works with 8500 and Granit series of scanners

Scanner Heater with Cable Retractor

520L-12-S3	12V, works with 8500 and Granit series of scanners
520L-24-S3	24V, works with 8500 and Granit series of scanners
520L-3648-S3	36-48V, works with 8500 and Granit series of scanners

Scanner & Accessories Options

1981i Bluetooth Spare Battery/ Charging

BAT-SCN01A — Battery: Lithium-ion battery for Voyager 1202, 1452g, Xenon 1902, Granit 1911i, Granit 1981i, 3820 and 3820i cordless scanners (3.75V 2400mAh 9Wh)

HOLSTER-INDUSTRIAL — When clipped to a user's belt holster enables storage of Granit 1911i and 1981i cordless imagers while leaving hands-free to accomplish other tasks (scanner sold separately)

MB4-BAT-SCN01NAW0 — Charger: 4-bay battery charger (NA) for use with Voyager 1202g, 1452g, Xenon 1902, Granit 1911i, Granit 1981i, 3820, 3820i, Lithium-ion batteries, NA wallmount power supply (PS-050-4000W-NA), two mounting screws (100006897), and Instructions (MBC-INST)

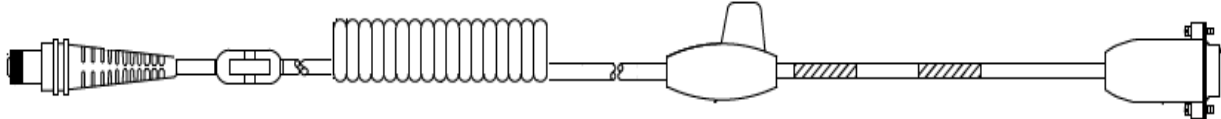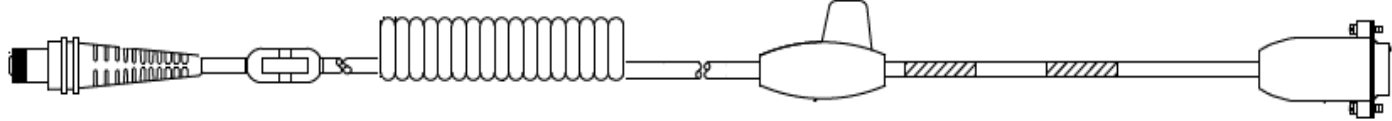**50110266-001FRE** — END CAP, CORDLESS, 1911i & 1981i

COB02 — Charge-Only Base: only 1 scanner can be charged at a time, power supply must be purchased separately

Select appropriate regional Power Supply PS-05-1000W-x

PS-05-1000W-A	Power Supply: North America plug, 1.0A @ 5.2 VDC 90-255VAC @ 50-60Hz
PS-05-1000W-C	Power Supply: EU plug, 1.0A @ 5.2 VDC 90-255VAC @ 50-60Hz
PS-05-1000W-U	Power Supply: UK plug, 1.0A @ 5.2 VDC 90-255VAC @ 50-60Hz
PS-05-1000W-I	Power Supply: Australia, New Zealand plug, 1.0A @ 5.2 VDC 90-255VAC @ 50-60Hz

Granit Scanner Options

Serial Cable Types

| SERIAL				
CBL-020-300-C00-01	Cable - Industrial: RS232 (5V signals), black, DB9 Female, 3m (9.8'), coiled, 5V external power with option for host power on pin 9	3m	COILED	
CBL-020-500-C00-01	Cable - Industrial: RS232 (5V signals), black, DB9 Female, 5m (16'), coiled, 5V external power with option for host power on pin 9	5m	COILED	
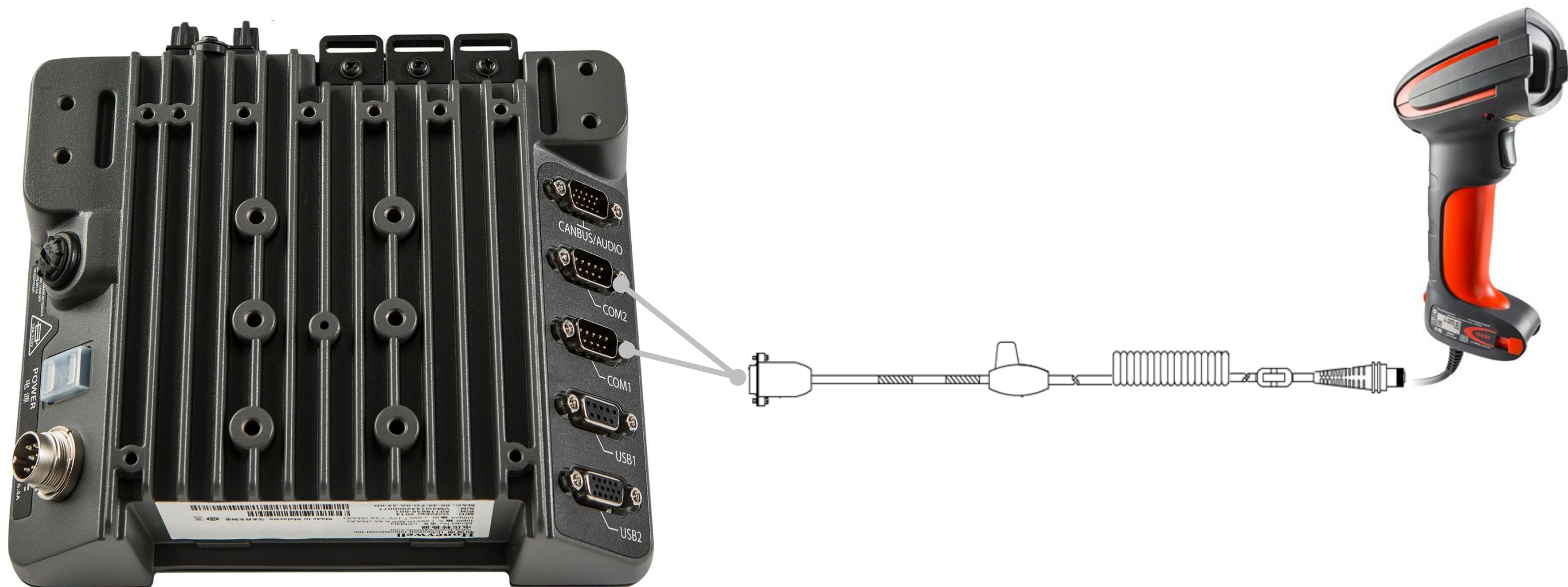
Granit Scanner Options

USB Cable Types

Thor CV41 / VM1 / VM1A / VM2 / VM3 Custom USB				
CBL-501-300-S00	CABLE, USB,9PIN DB9 MALE 5V, INDUSTRIAL	3m	STRAIGHT	Connect direct to the Smart Dock to DB9F USB/USB1 Port

PIN 5 — PIN 9
PIN 1 — PIN 6
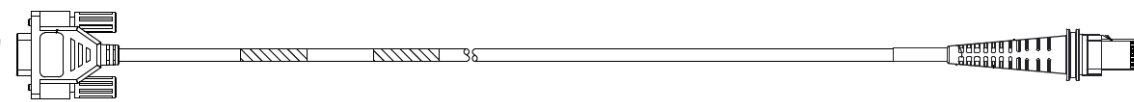
Note: This cable only supports USB Keyboard (PC) interface.

Keyboard Options

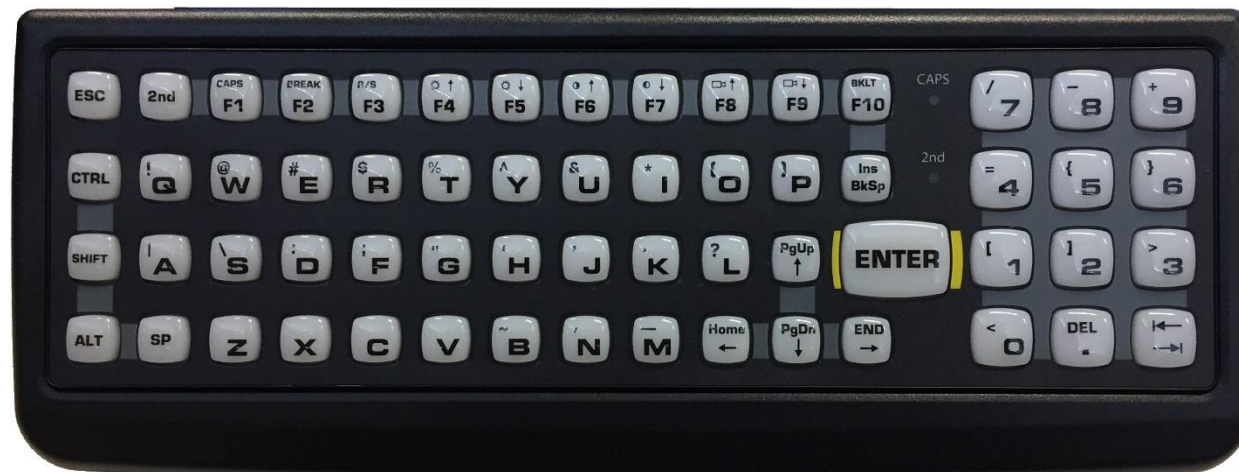External Keyboard Options

9000160KEYBRD   Windows "Laptop" Style 95 key rugged keyboard with integrated 2 button mouse, USB Interface (DB9M Connector)

Keyboard Layout

9000161KEYBRD   THOR NUMERIC KEYPAD, 21 KEY, USB (DB9M Connector)

(For use with gloved operators in Cold Storage).

9000151KEYBRD   Honeywell 60 KEY RUGGED KEYBOARD, QWERTY, PS2. (DB9M Connector)
Requires adapter cable 9000070CABLE for use with VM1/VM2/VM3. The backlight will not automatically come on at boot up. The backlight can be controlled by simultaneously pressing Ctrl–2nd–F10.

9000070CABLE   PS2 to USB Adapter cable for keyboards (DB9M - DB9F)

Miscellaneous

Replacement Parts
Note: VM1A540FRONTPNL Indoor RESISTIVE and VM1A542FRONTPNL Defroster RESISTIVE are interchangeable on the VM1A as they both use the 400NIT display.

VM1A540FRONTPNL   Thor VM1A replacement front panel, Indoor RESISTIVE

VM1A542FRONTPNL   Thor VM1A replacement front panel, Defroster RESISTIVE

VM1A541FRONTPNL   Thor VM1A replacement front panel, Outdoor RESISTIVE

VM1A543FRONTPNL   Thor VM1A replacement front panel, Indoor PCAP

VM1A544FRONTPNL   Thor VM1A replacement front panel, Outdoor PCAP

Miscellaneous

Replacement Parts

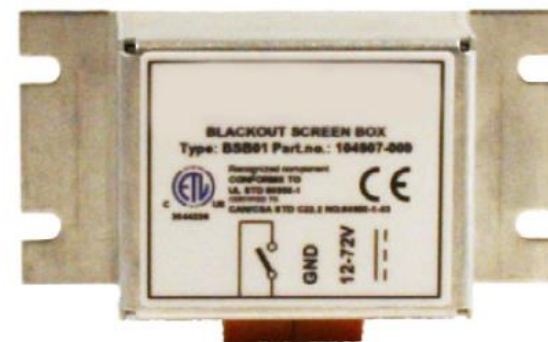**VM2276ANTENNA** — Set of two Dual Band WLAN Whip Antennas – attach directly to computer

VM1277ANTENNA — REMOTE 802.11 DUAL BAND ANTENNA KIT 15 FT (4.6M), includes one antenna, cable, flat bracket and right angle bracket

VM1512LCDFILM — Screen Protective Film

VM1376BATTERY — VM1 replacement UPS battery.

VX89351PWRSPLY — Screen Blanking Switch Box Requires VM1080CABLE

VM1080CABLE — Screen Blanking Box Cable VM1 screen blanking box cable, D9F to bare wires, 6ft. (1.8m).

Miscellaneous

Honeywell Recommended – ATP Industrial Grade Micro SD Cards

① Requires a microSD-to-Full SD Card adapter

	Part Number	Description
1	856-065-004	MICRO-SD CARD, 1GB, AF1GUDI, ROHS
OR	856-065-005	MICRO-SD CARD, 2GB, AF2GUDI, ROHS
OR	856-065-006	MICRO-SD CARD, 4GB, AF4GUDI, ROHS
OR	856-065-007	MICRO-SD CARD, 8GB, AF8GUDI, RoHS

Why ATP Industrial Grade SD?

ATP's SIP (System-In-Packaging) manufacturing process encapsulates all exposed components and points of failure to ensure the products are fully waterproof, shockproof, and ESD (Electro-Static Discharge) proof. ATP Industrial Grade SD/SDHC Cards can withstand at least an operating/storage temperature range of at least -40 to 85 degrees Celsius. In addition to this temperature range, the cards are completely waterproof, dustproof, and ESD (Electro-Static Discharge) proof. All ATP Industrial Grade SD/SDHC cards are produced under a stringent RoHs and Green Package compliant manufacturing process to guarantee a consistent high level of build quality and performance. ATP Industrial SD cards deliver outstanding performance with read speed (seq) up to 18MB/sec and write speed (seq) up to 16MB/sec. All ATP Industrial Grade CF, SD, USB drives, and SSDs are constructed using best-in-class SLC(Single-Level Cell) components with enhanced Error Correction Code(ECC) functions and wear levelling algorithms. This results in MTBF ratings over 2 million hours and the highest write cycle lifetimes in the industry.

AC Cords

Part Number	Description
50117503-001	Power cord, Argentina, Isled CB
50117501-001	Power cord, Australia, 2.5 m (8.2 ft), Isled CB
50117502-001	Power cord, Brazil, 2.5 m (8.2 ft), D60S-HB
19-19807	Cable, China cord set (CCC), 2.5 m (8.2 ft)
9000091CABLE	AC Power Cord, Denmark
77900508E	Power cord, Europe, IEC320-C13, 2.5 m (8.2 ft)
50127245-001	Power cord, 1.5 m (4.9 ft), India
9000092CABLE	AC Power Cord, Italy
321-500-002	AC Power Cord, Japan
9000093CABLE	AC Power Cord, Switzerland
77900507E	Power cord, UK, IEC320-C13, 2.5 m (8.2 ft)
77900506E	Power cord, US, IEC320-C13, 1.85 m (6.07 ft)

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