Panasonic
BUSINESS

TOUGHBOOK FZ-M1

POCKET SIZE, FANLESS, FULLY RUGGED WINDOWS 10 PRO TABLET WITH 7" OUTDOOR DISPLAY

The fully rugged TOUGHBOOK FZ-M1 sets the new benchmark for outdoor tablets making it ideal for field workforces in challenging environments. With its capacitive 10-finger multi-touch outdoor display and flexible configurations, this Windows 10 Pro tablet has been designed to optimise the efficiency of field workers. It benefits from various connectivity options to ensure data is always available when needed and gives business users the legacy options they require in a compact, fully rugged and lightweight form factor.

Standard Model
- Intel® Core™ i5-7Y57 vPro Processor
- Windows 10 Pro
- Fanless design
- Intel graphics 615
- 7" WXGA (1280x800) outdoor display (up to 700cd/m2)
- Capacitive 10 finger multi-touchscreen
- 180cm shock resistant*
- Water and dust resistant (IP65)*
- Up to 8 hours battery life
- Up to 18 hours battery life with high capacity battery (optional)
- User exchangeable battery
- Hot swap battery optional (in combination with business expansion module)

- Flexible configuration port (Serial, LAN, 2D Barcode Reader, USB 2.0)
- Integrated business expansion module (NFC, Smartcard Reader, LAN + Serial, SD + Serial, Intel® Realsense, Thermal by FLIR)
- Lightweight - weighs approx. 540g

* Tested by an independent third party lab following MIL-STD-810G and IEC60529, Sections 13.4, 13.6.2, 14.2.5 and 14.3.

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

TOUGHBOOK M1 ACCESSORY ECOSYSTEM

Software Solutions

SOTI

Power Management

Lifecycle Support

PROTECT

Other Peripherals

Professional Services

PROSERVICES

Printers

Cleaning & Protection

Docks

Cases and Straps

All accessories in this guide are fully tested and certified in the Panasonic factory by Panasonic engineers

PROSERVICES

POWER MANAGEMENT SOLUTIONS

Standard Battery Pack

Part No: **FZ-VZSU94W**

Long-life Battery Pack

Part No: **FZ-VZSU95W**

AC Power Supply

Part No: **CF-AA6373A***
E/G/T/D

*E :UK; G: Continental; T: Italian; D: Swiss

Mil Spec Vehicle Charger

90W (11 to 32VDC)

Part No: **CF-LNDMLSTD**

Car charger (12 - 16VDC)

EIAJ & TypeA both, 80W

Part No: **CF-LND80S FD/BW***

*FD: with vehicle plug; BW: bare wire

Car charger (12 - 32VDC)

EIAJ & TypeA both, 80W

Part No: **CF-LND8024 FD/BW***

*FD: with vehicle plug; BW: bare wire

4-bay Battery Charger

Does not include AC adaptor. CF-AA5713A or CF-6503A2 required.

Accommodates both FZ-VZSU94W and FZ-VZSU95W

Part No: **FZ-VCBM11U**

Car Charger For Forklifts

Part Nos:
- **PCPE-LNDFH11:** 70-110V
- **PCPE-LNDFH32:** 12-32V
- **PCPE-LNDFH60:** 20-60VDC

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

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PRODUCTIVITY SOLUTIONS

USB Mini Keyboard with Integrated Touchpad

Black, US English

Part No: **PCPE-KEYB**

Rugged USB Keyboard

Part No: **PCPE-MMRK01***

*E: English; F: French; G: German

Mini Rugged Wireless Keyboard

With Bluetooth

Part No: **PCPE-ACDS***

***UK1: UK; FR2: French**

Mini Antibacterial Keyboard

Sealed IP67, Black

Part No: PCPE-ACCABK*

*1: UK; 3: FR; 4: DE

USB External Disc Drive
Part No:
- **PCPE-FCDVR06** - Blu-ray
- **PCPE-FCDVR05** – CD/DVD

Replacement Capacitive Stylus Pen

Part No: **FZ-VNPM11U**

Stylus Tether

Part No: **PCPE-INFUVA2**

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

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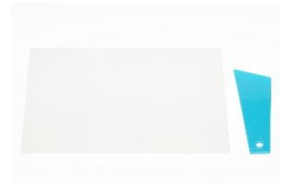# SECURITY & PROTECTION SOLUTIONS

Kensington Lock

Part No: **PCPE-KENLOK1**

LCD Protective Film

Replacement for protective film pre-installed on TOUGHBOOK

Part No: **FZ-VPFM12U**

LCD Screen Cleaning Cloth

Part No: **CF-VNC002U**

MOQ: 10 pcs

CARRYING SOLUTIONS

FZ-M1 Shoulder Strap

Consists of a case that sits around the M1 tablet and a standard shoulder strap that attaches to the case via o-rings.

Weight: .07 kg / 2.6 oz

Size: 152 x 222 x 81 mm / 6.0 x 8.75 x 1.5"

Part No: **PCPE-INFM1SS**

FZ-M1 Always-On Case

Weight: .16 kg / 5.6 oz

Size: 159 x 222 x 38 mm / 6.25 x 8.75 x 1.75"

Part No: **PCPE-INFM1AO**

FZ-M1 Belt Holster

Comes with shoulder strap

Weight: 150g + belt (7g) / 5.4 oz + belt (2.4 oz)

Size: 159 x 216 x 51 mm / 6.25 x 8.5 x 2.0"

Part No: **PCPE-INFM1BH**

Generic DuraStrap

Waterproof and cleanable shoulder strap.

Replacement strap for use with cases that already have attachment points.

Part No: **PCPE-INFGNDS**

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

CARRYING SOLUTIONS

Panasonic X-Hand Strap for FZ-M1

Part No: FZ-VSTM11U

Panasonic Rotating X-Hand Strap for FZ-M1

Part No: FZ-VSTM12U

Leather Case for FZ-M1

With Screen Flap

Part No: **PCPE-SYSM101**

Panasonic Shoulder Strap Case for FZ-M1

Part No: **FZ-VNSM12U**

FZ-M1 Easel Case

Accommodates standard and extended battery. Slot for Bluetooth keyboard. **Keyboard not supplied.** Order PCPE-ACDS* UK1/FR1 separately.

Dimensions: 246 x 156 x 80mm / 9.7 x 6.1 x 3.1"

Weight: 396.7g / 0.87lb

Part No. **PCPE-SYS1576**

Breakable Velcro Shoulder Strap

Replacement strap for use with cases that already have attachment points.

Size: 1170 x 30 mm / 46 x 1.2" (1270 mm / 50" with clips)

Part No: **PCPE-SYSSSB1**

FZ-M1 Synthetic Case

No Shoulder Strap. Hand strap attached to case. Accommodates extended battery option. **Not compatible with gadget option.**

Part Nos:
- **PCPE-SYSM104**   with removable screen cover
- **PCPE-SYSM105**   without screen cover

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

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CARRYING SOLUTIONS

Top Traveler PRO Bag – Black

For devices with screen sizes 14"-15.6"

Size: 410 x 300 x 170 mm / 16.14 x 11.81 x 6.69"

Weight: 1.4kg / 3.1 lbs.

Part No: **PCPE-DCTBAG7**

Synergy Laptop Rucksack

For devices with screen sizes up to 15.6"

Size: 254 x 330 x 460 mm / 10 x 13 x 18"

Weight: 1 kg / 2.2 lbs

Part No: **PCPE-WENSYN1**

MOBILE PRINT SOLUTIONS

PJ7 Series A4 Mobile Printers

Perfectly dimensioned for your briefcase or computer bag, PJ7 series of compact, direct thermal printers can also be easily mounted in your vehicle. Take it out on the road and make sure your clients and customers receive those all-important documents in an instant. Available with 300 dpi print resolution, and with USB, Bluetooth or Wi-Fi.

Part Nos:

- **PCPE–BRPJ763** – PJ763 A4 mobile printer, 300 dpi with USB & Bluetooth
- **PCPE–BRPJ773** – PJ773 A4 mobile printer, 300 dpi with USB, WiFi & AirPrint

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

DOCKING SOLUTIONS

FZ-M1 Desktop Port Replicator

Full Port Replication: LAN; HDMI; VGA; Serial; 2 x USB 3.0; DC-in

Lite Port Replication: LAN; 2 x USB 3.0; DC-in

Size: 24.5 x 17.0 x 11.5 cm

Part Nos:
*   **FZ-VEBM11U** – Lite Port Replication
*   **FZ-VEBM12U** – Full Port Replication

DC-In

USB 3.0 x 2   LAN   VGA*

HDMI*   Serial*

*Ports not available on Lite dock

TOUGHBOOK

PROSERVICES

DOCKING SOLUTIONS

FZ-M1 Vehicle Dock

Full port replication: 1 x LAN; 1 x VGA; 1 x HDMI; 1 x Serial; 2 x 3.0 USB

Lite port replication: 1 x LAN; 2 x USB 2.0

Size: 218 x 201 x 76 mm / 8.6 x 7.9 x 3.0"

Part Nos:
- PCPE-HAVM101 - Full port replication, with dual antenna pass-through
- PCPE-HAVM102 – Full port replication, without dual antenna pass-through
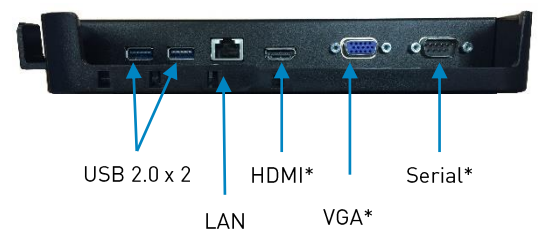- PCPE-HAVM104 - Lite port replication, without dual antenna pass-through

FZ-M1 Standard Vehicle Dock

With full port replication: 1 x LAN; 1 x VGA; 1 x HDMI; 1 x Serial; 2 x 3.0 USB; DC-in

Size: 20.6 x 24.5 x 9.1 cm

Part Nos:　　PCPE-GJM1V01 - With Dual Antenna Pass-Through
　　　　　　　PCPE-GJM1V02 - W/O Dual Antenna Pass-Through

FZ-M1 Value Vehicle Dock

With reduced port replication: 1 x LAN; 2 x USB 2.0; DC-in
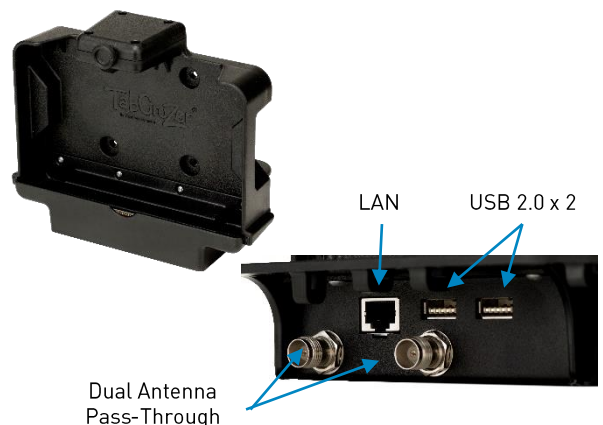
Size: 20.6 x 24.5 x 9.1 cm

Part Nos:　　PCPE-GJM1V03 - With Dual Antenna Pass-Through
　　　　　　　PCPE-GJM1V04　- W/O Dual Antenna Pass-Through
　　　　　　　PCPE-GJM1V05　- Non-Electronic version

USB 2.0 x 2　　　HDMI*　　　　　Serial*

LAN　　　VGA*

*Ports not available on Lite version

FZ-M1 Lite Vehicle Dock

Size: 18.4 x 22.3 x 15.9 cm

Part Nos:
- PCPE-OCM1CD1 – w/o Dual Antenna Pass-Through
- PCPE-OCM1CD3 - with Dual Antenna Pass-Through
- PCPE-OCM1CD4 – Non electronic version

LAN　　　USB 2.0 x 2

Dual Antenna
Pass-Through

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

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PRODUCTIVITY SOLUTIONS

Compact Wearable Barcode Scanner

Part Nos:
- PCPE-PGLSCN1 – Standard Range
- PCPE-PGLSCN2 – Mid Range

Barcode Scanner Charging Cradle

With International plugs

Part No: **PCPE-PGLCHR3**

Index Trigger Wrap - 3 Pcs. Pack

Part Nos:
- PCPE-PGLITSL - Left Hand, Size Small
- PCPE-PGLITML - Left Hand, Size Medium
- PCPE-PGLITLL - Left Hand, Size Large
- PCPE-PGLITSR - Right Hand, Size Small
- PCPE-PGLITMR - Right Hand, Size Medium
- PCPE-PGLITLR - Right Hand, Size Large

Bluetooth Headset

Part No: PCPE-MODBTH1

Headset Battery Charger – 10 bay

Part No: **PCPE-MOD10BC**

Replaceable Batteries – 25 pack

Part No: PCPE-MODBAT1

All technical specifications are subject to change without notice.

TOUGHBOOK

PROSERVICES

PROFESSIONAL SERVICES

Custom BIOS Services

Part No: PCPE-PSBIOSG

Autopilot Enrolment

Part No: PCPE-PSAUTOP

SIM Installation

Part No: PCPE-PSSIMIN

Information Management Bundle

IMEI, MAC, SIM, ASSET, Hardware Hash reporting.

Part No: PCPE-PSATAGB

Solution Packaging

Up to 10 items packaged together in a box.

Does not include custom designed case.

Part No: PCPE-PSSPACK

Custom Imaging

Part Nos:
* PCPE-PS20GIM - Image deployment per device (MOQ 30)

* Custom Image Creation - Price on request.

Customer Branding

Logo badge on device casing or bezel.

Part No: PCPE-PSLOGOB

Asset Tagging

Standard, using CPE label set.

Part No: PCPE-PSATAG1

Custom Logistics

Part No: PCPE-PSCDL01

Price on Request.

TOUGHBOOK

PROSERVICES

LIFECYCLE SUPPORT SOLUTIONS

Extended Warranty
Panasonic's Extended Warranty provides an additional two years of warranty, helping you to minimise repair costs and maximise the life cycle of your Toughbook or TOUGHBOOK.

Part No.:   FZ-LESPEW*   *4 / 5

Accidental Damage Warranty
Panasonic's Accidental Damage Warranty provides protection against any eventuality out in the field for up to 5 years, providing you and your workforce with complete peace of mind.

Part No.:   FZ-LESPAD*   *3 / 4 / 5   (4 & 5 year options include Extended Warranty)
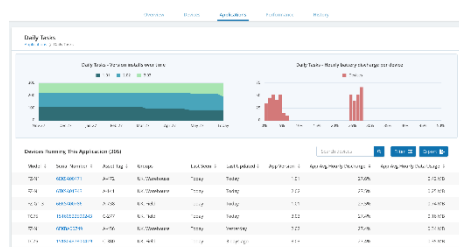
Smart Battery Warranty
Smart Service Lite battery analytics, powered by B2M, monitor device battery health in real-time. Smart Service Lite will alert you when batteries deployed in the field reach a low capacity level so a replacement battery can be sent out in advance.

Part No.:   CF-LESPBASS*   *3 / 4 / 5

POWERED BY
B2M™
SOLUTIONS

All technical specifications are subject to change without notice.

TOUGHBOOK

PROTECT

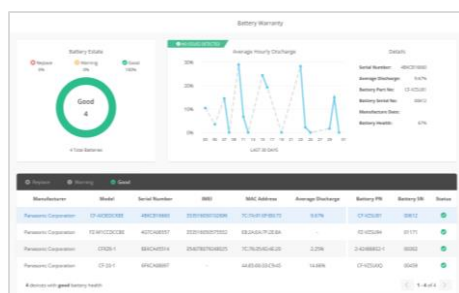# SMART ESSENTIALS

TOUGHBOOK Smart Service

Real time analytics, powered by B2M Solutions, showing the health and performance of your estate of mobile devices, focussing on areas such as battery life, data usage, disruptions and connectivity. Enables the user to recognise patterns of usage and potentially pre-empt issues before they arise.

Part Nos.:

- CF-LESPSSSM3   3 year Smart Service self-managed licence
- CF-LESPSSSM5   5 year Smart Service self-managed licence
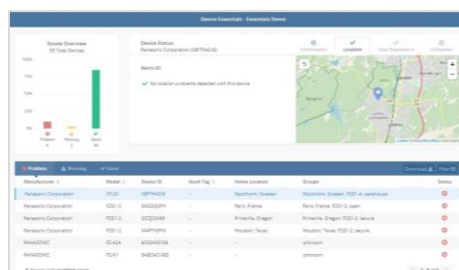
Smart Battery Monitor

An additional "Smart" module that monitors battery usage and health in detail, focusing on battery serial numbers, the software allows the customer to track, identify and replace batteries before they impact productivity. With dashboard access and alerts.

Part Nos:

- CF-LESPBAEE1   1 year Smart Battery Monitor software licence
- CF-LESPBAEE3   3 year Smart Battery Monitor software licence
- CF-LESPBAEE5   5 year Smart Battery Monitor software licence

Smart Device Monitor

An additional "Smart" module that monitors device usage in more detail. Dashboard access provides information such as device location; user experience, including drop detection on Android devices and also enables alerts and geofences to be set up.

Part Nos:

- CF-LESPDAEE1   1 year Smart Device Monitor software licence
- CF-LESPDAEE3   3 year Smart Device Monitor software licence
- CF-LESPDAEE5   5 year Smart Device Monitor software licence

All technical specifications are subject to change without notice.

SOFTWARE SOLUTIONS – PREMIER PARTNERS

Absolute Data and Device Security

Patented technology to centrally secure TOUGHBOOK devices for unrivalled endpoint security and data risk management.

Part numbers available upon request.

Website: https://www.absolute.com/partners/oem/panasonic/

NetMotion Mobility

More than just a VPN, "Mobility" Mobile Performance Management software can dynamically maintain access to applications through changing network conditions, allowing mobile workers to remain productive anywhere their work takes them. Diagnostics option also available.

Part numbers available upon request.

Website: https://www.netmotionsoftware.com/products/mobility

SOTI MobiControl

MobiControl is an Enterprise Mobility Management (EMM) solution with enhanced EMM features like application management, content management, location services and remote help.

Part numbers available upon request.

Website: https://www.soti.net/products/soti-mobicontrol/

Sygic

Sygic Professional GPS Navigation works offline and features truck specific routing, itinerary with time windows and over 60 APIs for development with Android and Windows based apps.

Part numbers available upon request.

Website: https://www.sygic.com/enterprise/professional-gps-navigation-sdk

For more info on these software solutions, please refer to the co-branded data sheet here.

SOFTWARE SOLUTIONS – CERTIFIED PARTNERS

StayLinked

StayLinked's SmartTE software provides a cost-effective way to take advantage of touchscreen devices with Terminal Emulation by transforming traditional "green screen" application screens into easy-to-use, graphical screens with no changes to the underlying enterprise applications.

For more information or to request a demo, visit:
https://www.staylinked.com/panasonic

Loqus

Loqus Fleet Ltd specialises in the provision of end-to-end Transport management systems providing organisations with the necessary tools to help them Plan, Execute and Monitor & Control work orders from initial order taking down to the last mile. Headquartered in Malta, the group employs a passionate team of high calibre software engineers supported by an experienced management team

Visit website: http://openfleet.loqusgroup.com/

Acronis

Acronis sets the standard for cyber protection and hybrid cloud storage through its innovative backup, anti-ransomware, disaster recovery, storage, and enterprise file sync and share solutions. Enhanced by its award-winning AI-based active protection technology, blockchain-based authentication and unique hybrid-cloud architecture, Acronis protects all data in any environment – including physical, virtual, cloud, mobile workloads and applications – all at a low and predictable cost.

Visit website: https://www.acronis.com

GPC Systems

GPC is an award-winning software house with over 25 years of experience working with a range of sectors across the globe. Driven by the needs of their customers in healthcare, transportation, police, logistics and local government, GPC strives to improve outcomes through the most efficient use of resources. GPC has in-depth experience creating solutions utilising 3D cameras, including the Intel® RealSense™ technology integrated into the TOUGHBOOK M1.

Visit website: https://www.gpcsl.com/

All technical specifications are subject to change without notice.

ACCESSORY SUMMARY 1

Solution Type	Part Number	Description
Power Management	FZ-VZSU94W	Standard Li-ion Battery Pack
	FZ-VZSU95W	Long Life Li-ion Battery Pack
	CF-AA6373A* E/G/T/D	AC Power Supply
	CF-LND8024 FD/BW	Car charger EIAJ & TypeA both, 80W (12 - 32VDC)
	CF-LND80-S FD/BW	Car charger EIAJ & TypeA both, 80W (12 - 16VDC)
	CF-LNDMLSTD	Mil Spec Vehicle Charger
	PCPE-LNDFH11	Car Charger (70-110V) For forklift
	PCPE-LNDFH32	Car Charger (12-32V) For forklift
	PCPE-LNDFH60	Car Charger (20-60VDC) For forklift
	FZ-VCBM11U	4-bay Battery Charger
Keyboards	PCPE-KEYB	USB Mini Keyboard with Integrated Touchpad (US English)
	PCPE-MMRK01* E/F/G	Rugged USB Keyboard
	PCPE-ACDS* UK1/FR2	Mini Rugged Wireless Keyboard (UK1: UK; FR2: French)
	PCPE-ACCABK* 1/3/4	Mini Antibacterial Keyboard (1: UK; 3: FR; 4: DE)
Styluses	FZ-VNPM11U	Replacement Capacitive Stylus Pen
	PCPE-INFUVA2	Toughmate Stylus Tether
Productivity	PCPE-FCDVR06	External USB Blu-Ray Drive
	PCPE-FCDVR05	External USB CD/DVD-RW Drive
	PCPE-MODBTH1	Bluetooth Headset
	PCPE-MOD10BC	Bluetooth Headset 10 Bay Charger
Protection & Security	PCPE-KENLOK1	Kensington Lock
	FZ-VPFM12U	LCD Protective Film
	CF-VNC002U	Cloth for LCD
Carrying Solutions	FZ-VSTM11U	Panasonic X-Hand Strap for FZ-M1
	FZ-VSTM12U	Panasonic Rotating X-Hand Strap for FZ-M1
	FZ-VNSM12U	Panasonic Shoulder Strap Case for FZ-M1
	PCPE-WENSYN1	Synergy 15.6" Backpack
	PCPE-DCTBAG7	Top Traveler PRO bag (14"-15.6") Black
	PCPE-SYSM101	FZ-M1 Leather Case
	PCPE-SYSM104	FZ-M1 Synthetic Case with screen flap
	PCPE-SYSM105	FZ-M1 Synthetic Case without screen flap

ACCESSORY SUMMARY 2

Solution Type	Part Number	Description
Carrying Solutions	PCPE-SYSSSB1	Breakable Velcro Shoulder Strap
	PCPE-INFM1SS	FZ-M1 Shoulder Strap
	PCPE-INFM1AO	FZ-M1 Always-On Case
	PCPE-INFM1BH	FZ-M1 Belt Holster
	PCPE-SYS1576	FZ-M1 Easel Case with Bluetooth Keyboard
	PCPE-INFGNDS	Generic DuraStrap
Docking Solutions	FZ-VEBM11U	FZ-M1 Full Desktop Port Replicator
	FZ-VEBM12U	FZ-M1 Lite Desktop Port Replicator
	PCPE-HAVM1* 01/02/04	FZ-M1 Vehicle Dock
	PCPE-GJM1V*01/02	FZ-M1 Standard Vehicle Dock
	PCPE-GJM1V*03/04/05	FZ-M1 Value Vehicle Dock
	PCPE-OCM1CD* 1/3/4	FZ-M1 Lite Vehicle Dock
Mobile Printing Solutions	PCPE-BRPJ763	PJ763 A4 mobile printer, 300 dpi with USB & Bluetooth
	PCPE-BRPJ773	PJ773 A4 mobile printer, 300 dpi with USB, WiFi, AirPrint
Barcode Scanner Solutions	PCPE-PGLSCN1	Standard Range Barcode Scanner
	PCPE-PGLSCN2	Mid Range Barcode Scanner
	PCPE-PCGCHR3	Barcode Scanner Charging Cradle bundle - International
	PCPE-PGLIT* SL/ML/LL	Index Trigger Glove – 3 Pcs. Pack (SL: Left Hand Small Size, ML: Left Hand Medium Size, LL: Left Hand Large Size)
	PCPE-PGLIT* SR/MR/LR	Index Trigger Glove – 3 Pcs. Pack (SR: Right Hand Small Size, MR: Right Hand Medium Size, LR: Right Hand Large Size)

ACCESSORY SUMMARY 3

Solution Type	Part Number	Description
Professional Services	PCPE-PSBIOSG	Custom BIOS Service – Gold
	PCPE-PS20GIM	**Image deployment per device (MOQ 30)**
	PCPE-PSSIMIN	SIM Installation
	PCPE-PSATAG1	Asset Tagging
	PCPE-PSATAGB	Information Management Bundle
	PCPE-PSAUTOP	Autopilot Enrolment
	PCPE-PSLOGOB	Custom logo badge
	PCPE-PSSPACK	Solution Packaging
	PCPE-PSCDL01	Customised Deployment / Logistics
	PCPE-PSBTM01	Bespoke Training Material
Smart Services	CF-LESPSSSM3/5	Smart Service self managed licence – 3 or 5 years
	CF-LESPBAEE1/3/5	Smart Battery Monitor software licence – 1, 3 or 5 years
	CF-LESPDAEE1/3/5	Smart Device Monitor software licence – 1, 3 or 5 years
Lifecycle support solutions	FZ-LESPEW* 4/5	Extended Warranty
	FZ-LESPAD* 3/4/5	Accidental Damage Warranty
	CF-LESPBASS* 3/4/5	Smart Battery Warranty