

Mobile HUB - EU

Technical Datasheet



■ Mobile HUB

Overview

The MSA Mobile HUB provides the communication link between the M1 SCBA with Control Module, the MSA Cloud platform, and the monitoring application. It is a mobile, stand-alone device equipped with Long Range Radio (LRR) communication and an integrated gateway that bridges local MSA networks with MSA Cloud Services.

System Capability

Each MSA Mobile HUB supports the connection of up to 50 SCBAs and up to 4 telemetry repeaters, which can be deployed in any order within the system layout.

Operational data is automatically transmitted to the assigned tablet via encrypted Wi-Fi and subsequently uploaded to the MSA Cloud platform through the integrated multiband LTE/UMTS modem for storage, review, and post-incident reporting.

Technical Specifications

CHARACTERISTICS	DESCRIPTION
DIMENSIONS L X W X H (HOUSING)	18,8 cm (Length) x 11,5 cm (Width) x 19,9 cm (Height) (without antenna)
	18,8 cm (Length) x 11,5 cm (Width) x 40,5 cm (Height) (with antenna, housing, bumpers)
WEIGHT:	2,2 kg
OPERATING / STORAGE TEMPERATURE RANGE	-15 °C to +55 °C
HUMIDITY	10 to 95% r.H. (non-condensing)
AMBIENT CHARGING TEMPERATURE	0 to +45 °C.
DEGREE OF PROTECTION	IP56
RECHARGEABLE LI-ION BATTERY PACK	Nominal voltage: 14,4V
	Nominal capacity: 6900 mAh
	Energy: 99,36 Wh
MAX. CHARGING TIME TO 100 %	4,5 hours
	Operating time depending to battery health and remaining capacity

WHEN YOU GO IN, WE GO IN WITH YOU.

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Technical Specifications

CHARACTERISTICS	DESCRIPTION
IN TRUCK CHARGING IN SCOPE OF DELIVERY	Input: 24 V DC / 2A Cable length: 5 m Ambient/Storage temperature for connector cable: -40 °C to +85 °C
DESKTOP CHARGING IN SCOPE OF DELIVERY	Input: 110 - 220 VAC Output: 24 V DC / 2A Cable length AC: 1,83 m Cable length DC: 1,40 m Operating temperature / humidity: 0 °C to +40 °C / 20% r.h. to 80% r.h. non-condensing Storage temperature / humidity: -20 °C to +80 °C / 10 % r.h. to 90% r.h. non-condensing
CONNECTIVITY ETHERNET	Connector: M12, 4-Pin 10 BASE-T/ 100 BASE-TX, galvanic isolated
CONNECTIVITY WI-FI	Wi-Fi: IEEE 802.11b/g Operation Frequency range: 2.4... 2.4835 GHz Maximal RF power: < 20 dBm Communication ports: TCP/UDP 4711 Monitoring TCP/UDP 4712 Monitoring TCP/UDP 53 Monitoring
CONNECTIVITY LTE	Band: 1, 2, 3, 4, 5, 7, 8, 12, 13, 4, 18, 19, 20, 25, 26, 28, 38, 41, 66, 71 Conducted transmit power: +23 dBm ± 1 dB Connectorized (Class 3) Band: 42, 43, 48 Conducted transmit power: +22 dBm ± 1 dB Connectorized (Class 3)
UMTS	Band: 1, 2, 4, 5, 6, 8, 9, 19 Conducted transmit power: +23 dBm ± 1 dB Connectorized (Class 3)
BLUETOOTH BR/EDR/LE	Operation Frequency range: 2402 MHz...2480 MHz Maximal RF power: < 10 dbm (10 mW)
TELEMETRY RADIO COMMUNICATION	Operation Frequency range: 868 MHz Maximal RF power: < 27 dBm (500 mW)
ASSET TRACKING TAG - NFC	Operation frequency: 13.56 MHz passive

Approvals

MOBILE HUB - DIRECTIVE OR REGULATION	HARMONIZED STANDARDS (PREFIX NUMBER: EDITION OR DATE)
EMC: 2014/30/EU	EN 61000-6-2: 2005 EN 61000-6-3: 2007/A1: 2011/AC: 2012
LVD: 2014/35/EU	EN 62368-1:2021-05
BAT: (EU) 2023/1542	
RED: 2014/53/EU	EN 300 328 V2.2.2: 2019-07 EN 301 908-1 V15.2.1: 2023-01 EN 301 489-1 V2.2.3: 2019-11 EN 301 489-3 V2.3.2: 2023-01 EN 301 489-17: V3.3.1: 2024-09 EN 301 489-19: V2.2.0: 2020-09 EN 301 489-52 V1.3.1: 2024-11 EN 302 208 V3.4.1: 2023-12 EN 303 413 V1.2.1: 2021-04 EN 62311: 2020 EN 18031-1: 2024 EN 18031-2: 2024

Ordering Information

PART NUMBER	DESCRIPTION
10240503	MSA Mobile HUB EU
10246709	M1 Repeater Fireservice - EU
10202197-SP	Telemetry Antenna 868 Mhz (EU)
10217811-SP	Vehicle charging cable, Mobile HUB 24V
10221537-SP	Mobile HUB power supply - (EU)
10218654	Bumper, MSA Mobile HUB (8 pcs.) - SP
10088748-SP	Power cable, CEE 7/7 to C13, 1.8m long
10147801-SP	Power cable, UK, BS1363A to C13, 1,8m

Note: This Bulletin contains only a general description of the products shown. While product uses and performance capabilities are generally described, the products shall not, under any circumstances, be used by untrained or unqualified individuals. The products shall not be used until the product instructions/user manual, which contains detailed information concerning the proper use and care of the products, including any warnings or cautions, have been thoroughly read and understood. Specifications are subject to change without prior notice. MSA is a registered trademark of MSA Technology, LLC in the US, Europe, and other Countries. For all other trademarks visit <https://us.msasafety.com/Trademarks>.

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