

LUNAR® Connected Device & Accessories Data Sheet



LUNAR® Connected Device Specifications

Technical Specifications	
DIMENSIONS (MAX)	8.0" x 3.6" x 3.0", L x W x H (204 x 91 x 77 mm)
WEIGHT	LUNAR (WITHOUT BATTERY) 1.5 lb. (660 g) BATTERY 0.4 lb. (168 g)
DISPLAY	Full color DIAGONAL 3.5" (89 mm)
SCREEN RESOLUTION	320 x 480
THERMAL IMAGE RESOLUTION	206 x 156 (32,136 pixels)
THERMAL IMAGE FRAME RATE	16 Hz
THERMAL IMAGE PALETTES	>10 available
WIDE AREA CONNECTIVITY	Cellular (LTE-M)
LOCAL AREA CONNECTIVITY	LUNAR Local Alarm Network (self-contained) Bluetooth 5.1 Connectivity
DEGREE OF PROTECTION/INGRESS PROTECTION	IP67
CERTIFICATIONS	<i>UL Approval Type:</i> Gas Class I, Gas Groups C, D, Division 2 – T3 <i>CSA Approval Type:</i> Gas Class I, Gas Groups C, D, Division 2 – T3 <i>Intrinsically Safe/Nonincendive Equipment:</i> Class I Div 2

Search & Rescue Technical Specifications	
*F.A.S.T. TECHNOLOGY DISTANCE	FCC REGIONS 0.5 miles LoS ETSI/EN REGIONS 0.5 kilometers LoS
TRANSMISSION POWER	FCC REGIONS 20 dBm / 100 mW ETSI/EN REGIONS 10 dBm / 10 mW
DIRECTION INDICATION	Circular polarized directional antenna
FREQUENCY	2.4 GHz
*LUNAR LOCAL ALARM NETWORK	Enables an independent ad hoc network keeping consistent connection between all networked LUNARs in range.

* Technology provided by Metirionic GmbH

Battery & Charger Specifications

Battery Specifications	
RUN TIME	8 hours (normal use)
CHARGE TIME	3 hours
CHARGE CYCLES	1000 charge cycles <i>(A charge cycle is when the battery is fully discharged to when the battery is then fully charged.)</i>

Single Point & Multibay Charger Specifications	
MINIMUM INPUT VOLTAGE	100 VAC
MAXIMUM INPUT VOLTAGE	240 VAC

Connectivity	
LTE-M	Creates a direct LUNAR-to-cloud connection enabling local monitoring and data retention.
BLUETOOTH 5.1	Allows for two connections to other Bluetooth-enabled devices such as the G1 SCBA and ALTAIR® Gas Detection.
LOCATION BASED SERVICES	GPS, GLONASS

Ordering Information

LUNAR	
10225355	LUNAR, NNA FirstNet, US
10214747	LUNAR, NNA
10214748	LUNAR, EU
10214749	LUNAR, UK
10214750	LUNAR, HK/SG
10214751	LUNAR, AS/NZS
Accessories	
10214756	Battery, Single Pack
10203941	Retractor Assembly, LUNAR
10214762	Rubber Boot Replacement
10214763	Swivel Quick Disconnect

Single-Point Charger	
10214758	Single-Point Charger, NNA
10214759	Single-Point Charger, EU
10214760	Single-Point Charger, UK
10214761	Single-Point Charger, AS/NZS
Multi-Bay Charger	
10214752	Multi-Bay Charger, NNA
10214753	Multi-Bay Charger, EU
10214754	Multi-Bay Charger, UK/HK/SG
10214755	Multi-Bay Charger, AS/NZS

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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