

# LUNAR® Connected Device & Accessories Data Sheet



## LUNAR® Connected Device Specifications

Technical Specifications	
<b>DIMENSIONS (MAX)</b>	8.0" x 3.6" x 3.0", L x W x H (204 x 91 x 77 mm)
<b>WEIGHT</b>	
LUNAR (WITHOUT BATTERY)	1.5 lb. (660 g)
BATTERY	0.4 lb. (168 g)
<b>DISPLAY</b>	Full color
DIAGONAL	3.5" (89 mm)
<b>SCREEN RESOLUTION</b>	320 x 480
<b>THERMAL IMAGE RESOLUTION</b>	206 x 156 (32,136 pixels)
<b>THERMAL IMAGE FRAME RATE</b>	16 Hz
<b>THERMAL IMAGE PALETTES</b>	>10 available
<b>WIDE AREA CONNECTIVITY</b>	Cellular (LTE-M)
<b>LOCAL AREA CONNECTIVITY</b>	LUNAR Local Alarm Network (self-contained) Bluetooth 5.1 Connectivity
<b>DEGREE OF PROTECTION/ INGRESS PROTECTION</b>	IP67
<b>CERTIFICATIONS</b>	<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 1 Div 2

Search & Rescue Technical Specifications	
<b>*F.A.S.T. TECHNOLOGY DISTANCE</b>	
FCC REGIONS	0.5 miles LoS
ETSI/EN REGIONS	0.5 kilometers LoS
<b>TRANSMISSION POWER</b>	
FCC REGIONS	20 dBm / 100 mW
ETSI/EN REGIONS	10 dBm / 10 mW
<b>DIRECTION INDICATION</b>	Circular polarized directional antenna
<b>FREQUENCY</b>	2.4 GHz
<b>*LUNAR LOCAL ALARM NETWORK</b>	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	
<b>RUN TIME</b>	8 hours (normal use)
<b>CHARGE TIME</b>	3 hours
<b>CHARGE CYCLES</b>	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 & Multi-Bay Charger Specifications	
<b>MINIMUM INPUT VOLTAGE</b>	100 VAC
<b>MAXIMUM INPUT VOLTAGE</b>	240 VAC

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