

MacSema ButtonReader™

OVERVIEW



MacSema's ButtonReader is a rugged hand held data collector designed to read and update data stored on a ButtonMemory® any time, anywhere. The ButtonReader supports ButtonMemory applications requiring inspection and compliance certification, including: life cycle tracking of assets, electronic maintenance logbook functions, configuration management, equipment calibration and fire and safety inspection.

Designed for ease of use – just touch a ButtonMemory and all data on the button is loaded into the reader. A 2K byte button is read in one second. Using the keypad and display: data can be scrolled and viewed, the user can be prompted, data can be entered or edited, and any changes can be written back to the button. All transactions are time stamped. A copy of the data is always maintained in the ButtonReader for transfer to your PC.

FEATURES

- Rugged Metal Case
- Nickel-Metal Hydride Rechargeable Battery
- Programmable
- 128K or 512K Memory
- 2 Line Display
- Complete Audit Trail of Activities
- Open System Architecture – Compatible with Legacy Databases
- Manufactured in the U.S.A.

The ButtonReader is small in size, only 4.1 x 2.4 x 0.9 inches, and fits comfortably into your hand or shirt pocket. Housed in a machined aluminum case the ButtonReader survives multiple 4-foot drops and is resistant to harsh environments.

The ButtonReader is available in a variety of configurations to meet user requirements. Programming is easy with MacSema's Hierarchy™ Application or developers can utilize the Developer's Kit to build customized applications.



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Models (all are Series 2 readers)

Models	Part #
ButtonReader, 128K 2 line display, Standard Read Head	RBRK1
ButtonReader, 512K 2 line display, Standard Read Head	RBRK5
ButtonReader, 128K 2 line display, Mini Read Head	RBRK1M
ButtonReader, 512K 2 line display, Mini Read Head	RBRK5M

Add +B for BackLit LCD Display option (e.g. RBRK5GMB)
 Add +F for Connector for FingerTip Reader (e.g. RBRK5GMF)

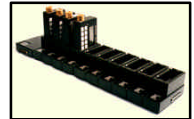
Micro Downloader/Recharger
 Charges & Communicates 1 wand
 Part # DMD2S



Single-Station Downloader/Recharger
 Charges & Communicates 1 wand
 Part # DSS2S



Multi-Dock Downloaders
 Charge & Communicate w/ up to 256 wands
 Master Controller Mini Dock
 Part # DMMMO DMS2S



S-10 Recharger
 Charges up to 10 wands
 Part # DRS10



FingerTip Reader
 Reads/Writes to MiniButton
 Part # AFT01



Transformer for Downloaders
 Micro Single Multi S-10
 Part # ATUM1 ATUM1 ATUM2 ATUM5



Serial Cable for Downloaders
 Micro Single Multi
 Part # C1B02 C1B00 C1B01



TECHNICAL SPECIFICATIONS

PHYSICAL CHARACTERISTICS

Dimensions	4.1(L) x 2.4(W) x 0.9(H) inches (104 mm x 61 mm x 22.8 mm)
Weight	7.5 ounces (210 grams), including battery
Operating Temperature	32° to 140° F (0° to 60° C)
Storage Temperature	-4° to 158° F (-20° to 70° C)
Humidity	5-95% non condensing
DropShock	Multiple 4' drops to tile- covered concrete
Display	2 line x 16 character LCD • Backlit display available
Keypad	12 fully programmable, alpha-numeric capable, tactile-touch keys • Removable keycaps allow customization of key-cap icons.
Casing	Machined aircraft-grade aluminum, powder coated black
Read Head	Gold-plated aircraft-grade brass • Available for ButtonMemories or MiniButtons
Power	Rechargeable 4.8V, 250mAH NiMH battery pack; low-battery detector; automatic sleep mode to conserve power
Recharging	10-12 hours to fully charge a completely drained battery. Provides up to two weeks of charge, depending on use.
LED	Superbright LED
Audio	Beeper with variable pitch and duration with user definable settings

PERFORMANCE CHARACTERISTICS

Reads/Writes to	32K Byte, 8K Byte, 2K Byte, 256 Byte, 128 Byte and Read only ButtonMemory and/or MiniButton
Read Time	One second for a 2K Byte ButtonMemory
Microprocessor	NEC V25, Intel compatible
Memory	128KB or 512KB
Real Time Clock	Crystal-controlled; 1/100 th second accuracy; date and time stamping
Interfaces	Serial port, RS232 standard compatible at 9600, 19200, 38400
Application Development	Programmable in Borland C and C++ • Packet communication provided with Windows® DLL or DOS communication engine
Software	Hierarchy Application, Security Plus System, and Developer's Kit
Regulatory Approvals	FCC Part 15, Class A; CE (EEC, EN55022 Class B & EN500821)
Warranty	MacSema products are backed by a one-year limited warranty workmanship against defects in materials or workmanship.
Made in U.S.A.	