

CMG-EAM



Enhanced Acquisition Module

The Enhanced Acquisition Module (EAM) is a data recording, communications and control module available in various cases and form factors suitable for deployment in the field with all our digitisers and instruments.

Multiple digitisers and instruments can be attached and controlled by the unit, with data being recorded to removable disk, internal or external flash, either as a standalone recorder or as a backup for data communications.

Key Features:

Under 0.75 W average power consumption

Stable and robust for total autonomy

Communication includes Ethernet, Wifi and Serial with a host of options such as GSM or VSAT.

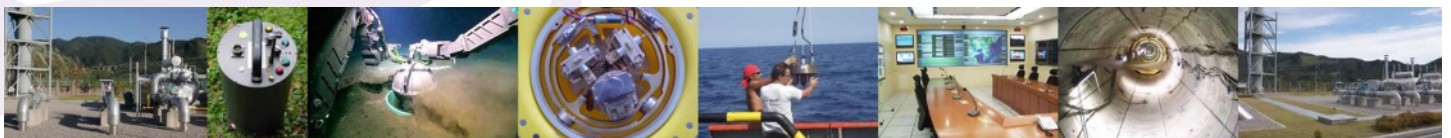
Seismic protocols include: SEED, MiniSEED, CD1.1 (with hardware authentication option), GCF, GDI, SCREAM.

Configuration, monitoring and control via Web interface, terminal based menu system or the linux command line.

Flash and USB mass storage as standard

Stand-alone, rack-mount, borehole and sensor-integrated variants available

On-board, hot-swappable USB hard disk (40 Gb +)



Specifications

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Communication technologies supported	<i>Serial, Ethernet, Wi-Fi</i>
Configuration/control interface	<i>Web browser, terminal based menus, Linux control line</i>
Seismic protocols	<i>Scream! (Antelope/Earthworm), SEEDLink or CD1.0/1.1</i>
Case options	<i>Stand-alone (3 ports & 7 ports), rack-mounted (8/16/24/32 ports), sensor-integrated, borehole</i>
Port types	<i>Data in/out, modem, console (user-configurable)</i>
Flash memory	<i>512 Mb +</i>
Removable disk capacity	<i>40 Gb +</i>
Filing system	<i>Hot-swappable, journalling, Windows FAT32 compatible</i>
Direct disk recording formats	<i>GCF, miniSEED</i>
External disks	<i>Unlimited USB mass storage</i>
Operating temperature	<i>-40 to +60 °C with managed disk heating</i>
Power supply	<i>10V to 28V DC (>12V when powering attached digitisers)</i>
Power consumption	<i><0.75W + power pass-through</i>

