

Güralp EAM



ENHANCED ACQUISITION MODULE



Data recording, communications and control

The Enhanced Acquisition Module (EAM) is a data recording, communication 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.

Applications

- > Borehole
- > Vault
- > Networked Arrays
- > Earthquake Early Warning systems

Images show the Güralp EAM

Key features

Under 1 W average power consumption

Stable and robust for total autonomy

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

Seismic protocols for real time transmission: CD1.1 (with hardware authentication option), GDI, SCREAM. For recording: miniSEED, GCF

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

Hot swappable 240 GB USB solid state storage as standard

Sensor-integrated variants available

SPECIFICATIONS

USER INTERFACE

Control and configuration Web browser, terminal based menus, Linux command line

COMMUNICATION PROTOCOLS

Communication technologies supported RS232, Ethernet (10/100BASE-T)

Internet technologies TCP/IP, HTTP, UDP

DATA FORMATS

Data recording GCF, miniSEED

Data streaming protocols Scream! (Antelope / Earthworm), SEEDLink (SeisComP), CD1.1, GDI-link

Data storage Hot-swappable 240 GB USB solid state drive

Disk format ext and FAT

POWER

Power supply voltage 10 to 30 V DC (> 12 V DC if powering connected digitisers)

Power consumption 1 W plus power pass-through

ENVIRONMENTAL / PHYSICAL

Operating temperature range -40 to +60 °C

Casing type Corrosion-proof, crushproof, dustproof, waterproof

Dimensions 232 mm × 192 mm × 111 mm

Connector type MIL-DTL-26482 Series 1:
USB - 6 way
Ethernet - 6 way
2 × Digital input - 10 way
1 × Digital output - 10 way

SUPPORTING DOCUMENTATION

Manual <http://www.guralp.com/documents/MAN-EAM-0003.pdf>