

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