Güralp EAM-U



ENHANCED ACQUISITION MODULE - USB



Data recording, communications and control with removable USB drive

The EAMU is a cost effective alternative to the EAM (Enhanced Acquisition Module) as a data recording, communications and control module suitable for deployment in the field with Güralp digitisers and digital instruments.

The EAMU features a removable Flash USB mass storage device for simple and rapid data collection.

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

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 include CD1.1 (with hardware authentication option), GDI-link, Scream!. For recording: miniSEED, GCF

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

Removable 16 GB USB mass storage as standard (64 GB option)

Applications

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





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 removable 16GB USB mass storage device (64 GB option)
Disk format	ext and FAT
POWER	
Power supply voltage	$10\ \text{to}\ 30\ \text{V}\ \text{DC}\ (>12\ \text{V}\ \text{DC}\ \text{if}\ \text{powering}\ \text{connected}$ 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 ouput - 10 way
SUPPORTING DOCUMENTATION	
Manual	http://www.guralp.com/documents/MAN- EAM-0003.pdf

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