



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.

Applications

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

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), GDF-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)

SPECIFICATIONS

USER INTERFACE

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

COMMUNICATION PROTOCOLS

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

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 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>