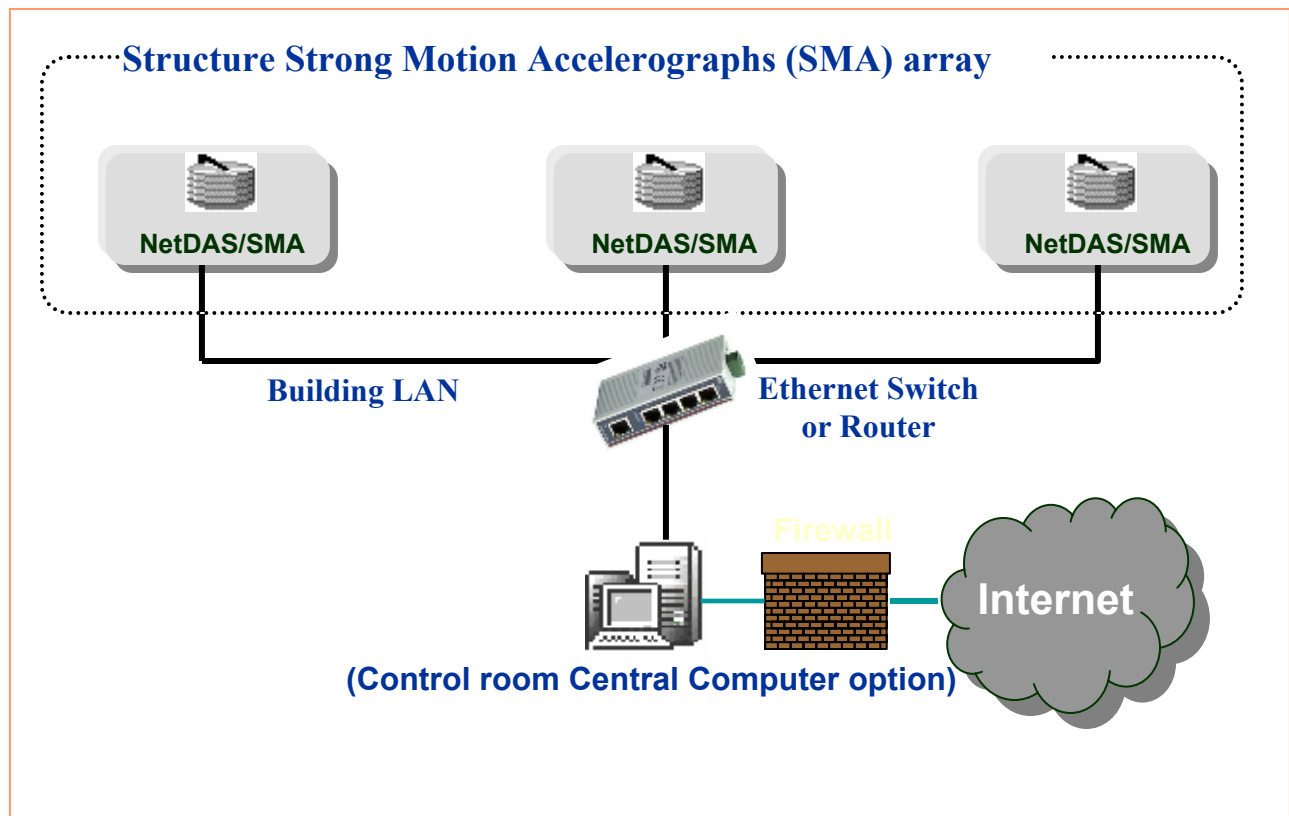


CRONOS Accelerograph System

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Features and applications

- Satisfies building code for seismic monitoring
- Uses low-cost Cat-5 cable for interconnections
- Master Clock or GPS time distributed via RS485
- LED indicators for Event and RUN
- Five earthquake magnitudes range (M_L 4 – 8)
- Rugged solid-state design
- Optional alarm relay
- SMS alarm (option)
- Remote maintenance via the Internet



CRONOS Strong-Motion System

The CRONOS System consists of several NetDAS accelerographs interconnected via the building's Local Area Network (LAN). By employing a LAN (as opposed to costly analog interconnect cables) greater flexibility in communications, access and maintenance is achieved. The Master NetDAS serves time (CMOS clock or GPS) to all other units. When the LAN is connected to an Internet gateway CRONOS can be maintained and earthquake data retrieved without site visitations resulting in cost savings over older technology requiring periodic visits.

Specifications

Accelerometer range options	+/- 3.6 or 5 g
Dynamic range options	70, 90 and 105 dB
Common timing	Master Clock (or GPS, option) distributed via RS485 (Cat-5 cable)
Common triggering	Via LAN subnet
Power consumption, typical	4 watts
Analog channels (3)	24-bit; 20—960 samples/sec (200 Hz standard)
Triggers	Level, average and Ethernet message
Pre/post-event memory	>60 seconds standard (almost unlimited)
Recording capacity	>360 minutes; removable (hot-swap) microSD, 16 GB
Self-test	Programmable system self-test
LED indicators	Run (State-of-Health) and Event
Enclosure	Industrial crush-proof cast-Al housing; 4-bolt mounting pattern; 8" x 9" x 7"; 13 lb; NEMA-12 (4X optional)
Operating temperature	-20° to +60 °C
Central computer (Poseidon option)	Windows 64-bit server, 15" TFT monitor, keyboard-trackball mouse (optional)
Alarms	Relay, SMS (PGA, time, period)
Orientation	X-Y-Z axes marking on cover
Internal back-up battery	14AH sealed lead-acid battery, 5-year rating

Contact Information

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