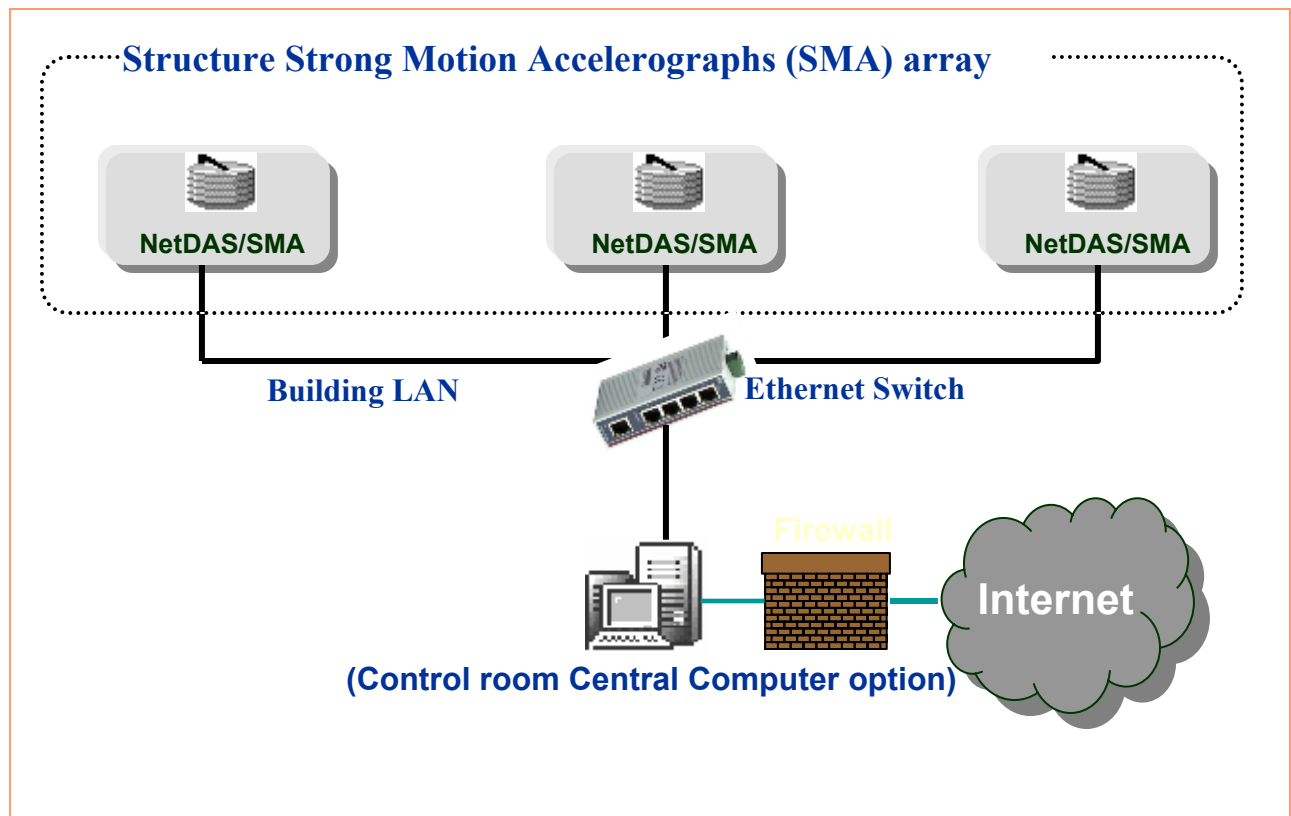


## CRONOS Accelerograph System

1245 Bridger Hills Drive  
Bozeman, Montana USA  
[www.daqsystems.com](http://www.daqsystems.com)  
1-406-586-8028

### Features and applications

- Satisfies building code for seismic monitoring
- Uses low-cost Cat-5 cable for interconnections
- Common timing via Master Clock
- LED indicators for Event and RUN
- Five earthquake magnitudes range ( $M_L$  4 – 8)
- Rugged solid-state design
- Complete package includes installation
- Remote maintenance via the Internet



# CRONOS Strong-Motion System

The CRONOS System consists of two or more NetDAS accelerographs interconnected via the building's Local Area Network (LAN) . By employing the LAN (as opposed to costly analog interconnect cables) greater flexibility in communications, access and maintenance is achieved. The Master NetDAS servers time to all other units. When the LAN is connected to an Internet gateway CRONOS can be maintained and earthquake data retrieved without site visitations. This results in considerable cost savings over older technology where each site needed to be visited periodically.

## Specifications

|                                    |   |
|------------------------------------|---|
| Accelerometer range                | +/- 4 g   |
| Dynamic range                      | >100 dB   |
| Common timing                      | Master Clock or GPS (option)  |
| Common triggering                  | Via LAN subnet  |
| Power consumption                  | 4.5 watts   |
| Analog channels (3)                | 24-bit; 10—960 samples/sec  |
| Triggers                           | Level, average or Ethernet message  |
| Pre/post-event memory              | 30 seconds standard (limited only by available memory)  |
| Recording capacity                 | 180 minutes; removable (hot-swap) Secure Digital (SD), 2 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 XP 32-bit server, 15" TFT monitor, keyboard-trackball mouse (optional)                              |
| Auxiliary I/O                      | Digital I/O, 10-bit analog (option)   |
| Orientation                        | X-Y-Z axes marking on cover   |
| Internal back-up battery           | 12AH sealed lead-acid battery, 5-year rating  |
| External back-up battery (option)  | 24H sealed lead-acid battery, 5-year rating   |

## Contact Information

DAQ Systems, Bozeman, MT, USA

Voice: 1-406-586-8028

Email: [inquiry@daqsystems.com](mailto:inquiry@daqsystems.com)

[www.daqsystems.com](http://www.daqsystems.com)