

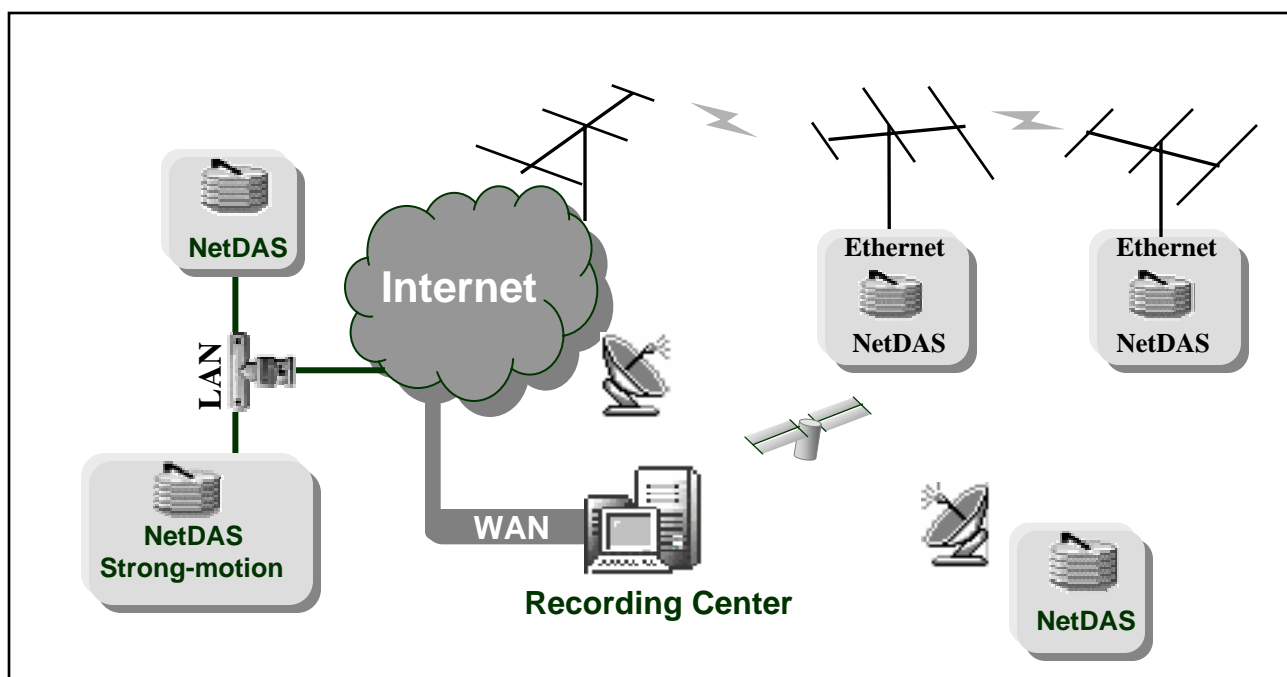
NetDAS Network Data Recorder/Transmitter

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NetDAS is a rugged 24-bit data logger, event recorder and transmitter based on industry-standards and commercially available plug-in cards. All software runs over a LAN or the Internet and can be configured to operate simultaneously in several different modes: network broadcast, continuous local storage and trigger. NetDAS can be ordered with an internal or external tri-axial accelerometer and runs under most popular computer operating systems.

Applications and features

- Seismic and monitoring
- Internet messages and warnings
- Industrial facilities, dams, bridges, pipelines
- Companion to Poseidon and Cronos systems
- Uses facilities communication infrastructure
- Wireless or wired connectivity
- Strong-motion recording for buildings
- Low latency for early warning/shutdown



Specifications

ADC	120dB (24-bit resolution), USB, 4 channels/board
Filtering	Linear phase low-pass digital
Channel count	4 – 16
Sampling rate	10—1500 samples/sec
Sampling skew	None (one ADC/channel)
Full scale	+/- 20 (+/- 3 option) volts (176k-ohm or 26k-ohm input impedance)
Software gains	X2 – X32
Triggers	Level; average (STA/LTA); CAV; spectral analysis, common wire
Timing accuracy	250us
Pre/post event time	1 - 60 minutes
Latency	20 samples (~250 ms at 100 Hz sampling)
Ports	Ethernet (RJ45), serial (DB9M), optional Wireless
Removable storage	Up to 8 GB Compact Flash
Accelerometer (option)	60, 90 or 120 dB, automatic programmable self-test, 3 or 5 g full scale
Data formats	SEG-Y, MATLAB, SEED, SAC, SUDS, GSE, ASCII
Bundled software	Graphical display; triggers; logger; formatter; data concentrator
Auxiliary I/O	Digital I/O; 10-bit analog; 4—20-mA current loop
LED Indicators	GPS status, RUN, Event
NetDAS interface	Browser, telnet, FTP (Remote desktop, Windows)
Operating systems	<i>Microsoft Windows XP/Vista/Linux</i>
Environmental	IP64 (IP65, IP66 option), -20 to +50 degrees C
Size	8(L) X 9(W) X 7(H), inches or 20(L)X23(W)X18(H), cm
Weight	15 lbs or 7 kg
Power	5 - 7 watts, 9 – 18 VDC input (optional 10 or 24AH battery backup)

Sales and Contact Information

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