

NetDAS/Linux/Windows Linux or Windows Data Acquisition

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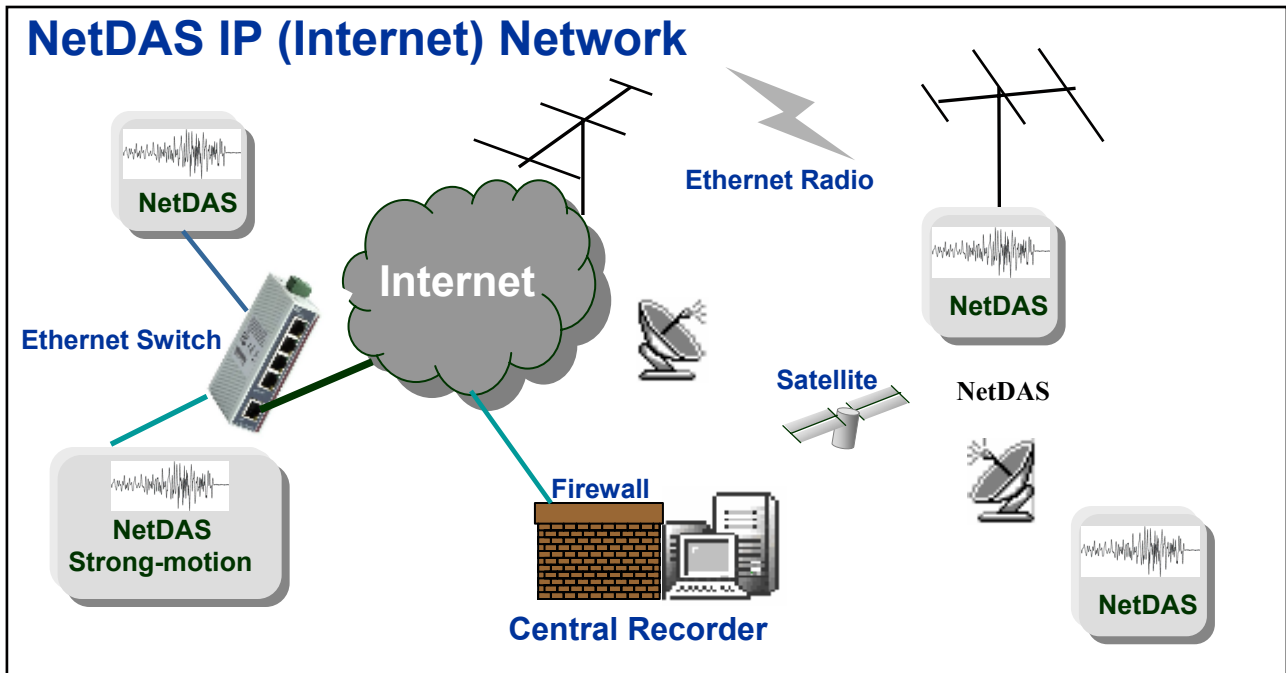
NetDAS for Linux or Windows is a 24-bit high channel count data acquisition system based on TCP/IP, USB, GPS, client/server architecture and other industry standards. Software is configurable to send data to multiple clients, record in multiple triggered modes, format and concentrate data streams and provide real-time display. NetDAS runs on a rack-mount industrial server under Microsoft Windows® or Ubuntu Linux operating systems and is delivered as a turn-key ready-to-run system.

Applications and features

- Industrial data acquisition
- Central recorder for sensory networks
- Seismic alarm and warnings
- Seismic and strong-motion networks
- State-Of-Health for large structures
- Low latency for early warning/shutdown
- OBE spectral trigger for LNG plants
- Windows and Ubuntu Linux OS



NetDAS IP (Internet) Network



Specifications

ADC	120dB (24-bit resolution), USB, 4 channels/board
Channel count	4 - 32 @ 24 bits
Sampling rates	10 – 1000 samples per second
Sampling accuracy	No skew (one ADC/channel)
Full scale	+/- 20 volts (+/-10 volts, XR option)
Input impedance	200 k-ohms (88 k-ohms, XR option)
Standard triggers	Level, average (STA/LTA), wired, network message, OBE
Optional triggers	OBE (Observed Basis Earthquake), CAV (Cumulative Average Velocity)
DCS interface	Relays, RS232, Ethernet
Timing accuracy	25 μ s (GPS synchronized)
Pre/post event time	Unlimited
Latency	20 samples (~250 ms at 100 Hz sampling)
Noise floor, 100 Hz	3 counts RMS (5 counts RMS, XR option), typical
Noise floor, 1000 Hz	30 counts RMS (10 counts RMS, XR option), typical
Filtering	Linear phase low-pass FIR, 3dB @ 30% Nyquist
Accelerometer (option)	130 or 70 dB dynamic range, automatic programmable self-test, 5g full scale (5g or 3g full scale)
Data formats	SEG-Y, MATLAB, SEED, SAC, SUDS, GSE, ASCII
Auxiliary I/O	Digital I/O; 10-bit analog; 4—20-mA current loop (option)
LED Indicators	RUN and Event (option)
Software support	<i>NetDAS Tools</i> (GRF formatter, Trigger, Viewer, Logger, Hub)
Operating system	Linux 3.0 Kernel; Windows 7 and 10
Dimensions	Standard 19" rack, 5.25" high (half-rack table-top option)
Power supply	5VDC, 100 – 240VAC, 50/60Hz input

Sales and Contact Information

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