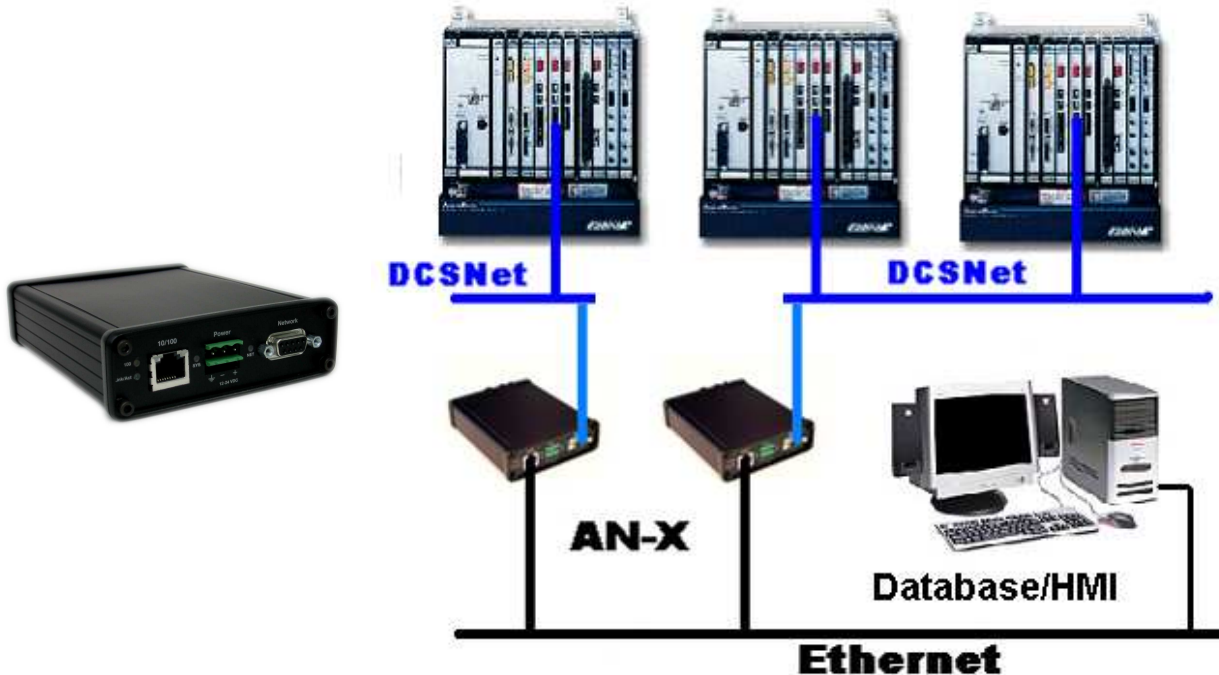


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# Automation Network X-Change

## ANX-DCSLOG Module



The ANX-DCSLOG module connects to your AutoMax DCSNet network, listens to every value of each DCSNet register, looks for changes and timestamps the values with 1ms resolution. Because it listens to every frame on the DCSNet network it does not miss any data value on the network, even if the value occurs on only one scan.

You give the DCSLOG module a list of DCSNet registers you want it to monitor (from 1 to all 3,528 possible registers) along with their tag names. The DCSLOG module and server application on your host PC create a continuous series of comma separated variable (csv) files that can be easily imported into a database such as InSQL (supports InSQL's Fast Load Import).

The DCSLOG module does not occupy a drop on the network or affect existing network traffic in any way.

The DCSLOG module also maintains a current copy of the DCSNet register image that is mapped into PLC-5 files N100:N155 (each file is 64 words long). This data can be used for traditional MMI functionality at the same time the database capture runs.

Since the DCSLOG module does not occupy a drop location it cannot send registers on DCSNet. If you need to send data on DCSNet use the ANX-DCSNet module (See ANX-DCSNet brochure).

The ANX-DCSLOG module:

- receives the list of registers it is to monitor
- captures network frames, with millisecond timestamps
- using the register list provided, looks for data changes and logs the time and value into data change records in its local memory buffer
- sends the time stamped data change records from its memory on Ethernet to a server application (provided by QTS) on your host PC.

The DCSLOG server application:

- reads in the list of registers to monitor and their tag names
- sends the register list to the ANX-DCSLOG module
- listens for the change records and creates appropriate csv file entries
- rotates the csv files and move them to database import folders

The ANX-DCSLOG module also stores monitored register values at a user-defined interval regardless of value change to ensure database integrity.

## Specifications

- Power: 12 - 24 VDC, 4 watts typical
- Dimensions: 107 mm X 126 mm x 34 mm (4.18" x 4.97" x 1.33"), not including connectors
- Desktop use or DIN mountable

## Related Products

- AN-X-DCSNet – master or slave on DCSNet, supports AutoMax programming software
- AN-X-AMXCAPT – captures network frames from AutoMax DCSNet and remote I/O networks for analysis and troubleshooting

## About QTS

Quest Technical Solutions is a provider of industrial communication hardware and software. Quest employees have many years combined experience in developing industrial communications solutions.

