



U600 Network Portal

The DSA **U600** integrates legacy field devices into modern data communication networks. To the data communication network/ master station(s) the **U600** looks like an intelligent device communicating with the selected modern data communication protocol. To the legacy field devices, the **U600** appears to be a master station, communicating to the field device using the data communication protocol that is native to that device. The **U600** acquires data from the legacy device asynchronously, while host control commands, for security reasons, are translated and executed in real time.

The **U600** network connection may be RS323 or Ethernet. The RS232 connection supports the DNP 3.0 byte oriented protocol, as well as other modern host protocols. The Ethernet connection can support DNP 3.0 embedded in TCP/IP or it may function as a web server allowing direct connection over a public or private network. Communication rates are independently field adjustable for both the host and local connections

The **U600** operating in a network with a modern data communication protocol offers the following capabilities:

- Supports Protocol Conversion.
- Responds to one or more clients.
- Provides “data by exception” capability (both analog and digital input).
- Supports adjustable deadbands for Analog Values.
- Provides accurate time stamps using a built in IRIG B Time Code interface.
- Supports automatic, periodic accumulator freeze.

The **U600** incorporates modern technology and design techniques to provide an extremely versatile network portal with high reliability and superior maintainability.

Features:

- Incorporates industry standard PC/104 architecture with pluggable processor and I/O modules.
- Extensive hardware and software configuration options available – assuring a cost effective solution with the required performance.
- A suite of legacy Bit or Byte oriented data communication protocols are available.
- Suitable for harsh operating environments

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Application:

- Suitable for applications requiring the transparent integration of legacy field devices into a modern data communication networks.
- Applications include electric power acquisition and control systems, oil & gas pipelines, water/ waste water systems, air quality monitoring systems, etc.

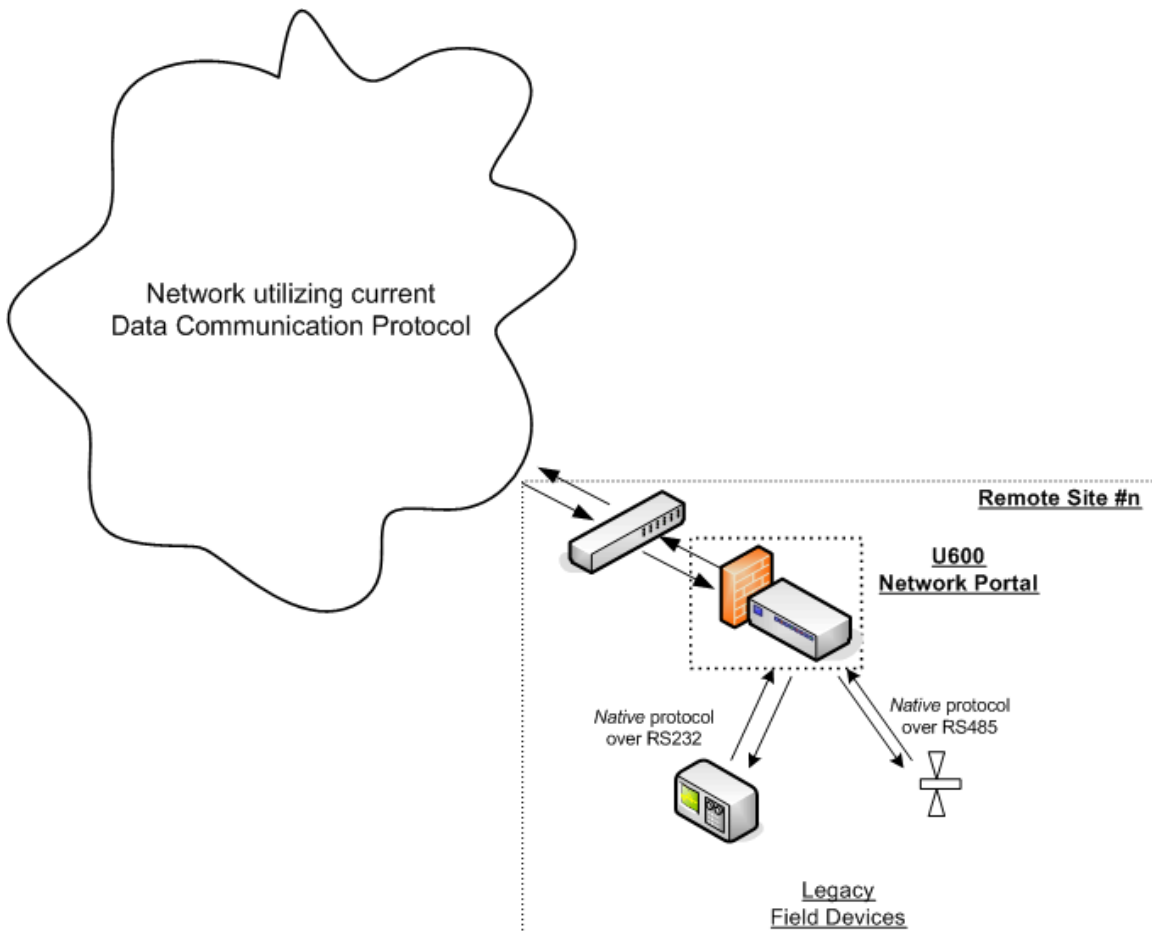
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Specifications:

- Industry standard PC/104 processor platform
 - 32 bit 80586 processor
 - 16MB SDRAM (Optional: 32MB/ 64MB/ 128MB)
- Network data communication interfaces:
 - 100/10Base-T
 - RS232C
 - RS485
- Real-time Operating System
- Power: 5VDC @ approximately 3 Watts
- Operating temperature: -25°C to +70° C
- Enhanced Temperature (Optional): -40°C to +85° C
- Mounting:
 - Enclosure
 - 19" Rack mount
 - Panel mounted

Application: Network Portal



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