

FEATURES

- Compact 1URack mount unit
- High reliability design
- Provides easy to use link between DART & IP-based systems

LINKS DART & IP-BASED SYSTEMS TOGETHER



The V6001 ViewNet Gateway is a hardware unit which provides a link between an Ethernet/IP environment and Vistek's DART control system. The unit is packaged in a 1RU rack mount frame and has just 2 connections for normal operation - one to the Ethernet network and one to the DART network. Provision is also made for serial or parallel connections for external alarms or communication (depends on software installed). In standard form the V6001 allows third party control systems to communicate with any V1600 series module via a simple XML-based protocol. This allows speedy development of control system links. Each V6001 can control a single DART network (up to 62 nodes). For larger systems it is possible to run multiple instances of the V6001, but to control them as though there was a single unit. Ethernet interfacing is via a standard RJ-45 and while this does support 10Mb operation, we would advise that 100Mb operation is preferable.

For situations where third party control is not appropriate, Pro-Bel's Vistek range offers a variety of software to allow sophisticated control via conventional Internet browsing clients. A basic package, which allows the use of standard 'physical' controls and alarms is available - VNOSC - ViewNet Operator Client Software. This is ideal for use during the installation process for large systems, allowing an easy-to-understand user interface that can address all the V1600 modules in the system. Alternatively, for smaller systems, the basic VNOSC can offer standard control windows, which have been carefully designed to provide an intuitive user interface.



The ViewNet V6005 Multiport unit can connect multiple DARTnet networks, via RS232 serial and TCP/IP, such that they may be viewed as a single network by V6001 ViewNet Gateways and V1602/V1605 Operational Control Panels. Where there are a significant number of remote DARTnets, the ViewNet Multiport may be a more cost effective means of consolidating control, than multiple ViewNet Gateways, with the added benefits of operational control panel compatibility. Each basic V6005 unit is equipped with 2 serial ports which may be used to connect directly to V1602 or V1605 control panels. In addition the V6005 is equipped with up to 64 serial ports (RJ-45) each of which can communicate with the V6401 DARTnet adaptor (or to the predecessor of the V6041, the DIN341).

Technical Specification

Power

Line Voltage	90-264VAC
Line Frequency	45-66Hz
Input Power	150W
Connector Type	IEC
Power Supply MTBF	100,000 hours at 25°C

Physical 1RU

Height	43.6mm
Depth	429mm
Width	449mm

Environmental

Operating Temperature	0° to 40°C
Storage Temperature	-10°C to +70°C
Relative Humidity	0 - 95% non-condensing @ 40°C

Connections

LAN	RJ-45
DART	RJ-45
Serial	9 pin D-type
Parallel	25 pin D-type

Ordering Information

V6001	1RU ViewNet Gateway
VNSC	ViewNet Operator Client Software

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