

# FEATURE BLAST



## TAC Xenta 527-NPR Net Plus Router

New fully re-designed and enhanced Net Plus Router to improve cost effectiveness and add significant features for TAC I/NET product portfolio.

### 1. Configurable encryption on Ethernet connections.

The new TAC Xenta 527-NPR and I/NET Seven 2.10 allows users to select encrypted communications for all I/P level information. The system uses 128 Bit encryption with a user definable encryption key.

*Even though I/NET communications are already highly secure some users demand encryption to ensure system wide communication security. The TAC Xenta 527-NPR and I/NET Seven 2.10 together provide this functionality.*

*All I/P level devices (Hosts and NPR's) on the same I/NET system, must support encryption and be set up using the same encryption key.*

### 2. Support for DNS configuration

The TAC Xenta 527-NPR can be configured to interact with a network resident Domain Name Server allowing the resolution of named I/P devices to I/P addresses.

*It is common for IT managers to control the connection of our systems across the Internet by the use of a DNS server. This permits more secure and easier access to wide area distributed systems whilst maintaining a minimum of exposed I/P addresses.*

### 3. Support for DHCP configuration

The TAC Xenta 527-NPR can be configured to operate in a network that requires the use of a DHCP server.

*Many IT managers want devices that connect to their networks to receive their I/P address dynamically from a Dynamic Host Configuration Protocol server. These servers allocate I/P addresses to devices on a network as they connect. The benefit for IT managers is that they can create a pool of I/P addresses which are allocated dynamically by the DHCP server rather than allocating static I/P addresses to devices. The use of DHCP can be more efficient in the number of I/P addresses it requires to run a large IT network.*

### 4. Segmented I/P networks in I/NET

The TAC Xenta 527-NPR and I/NET Seven 2.10 provide the user with the ability to segment I/NET networks at the I/P level. This makes it possible to configure I/NET hosts with different views of the same I/NET system.

*For multiple sites or in multi tenanted buildings it is often required that an I/NET user has access only to parts of the whole system relevant to themselves. In the same system power users may need access to the whole I/NET system. This ability to segment I/NET at I/P provides this flexibility.*

### 5. SNMP integration

The TAC Xenta 527-NPR can act as an SNMP agent and deliver data about the I/NET system in a pre-configured Management Information Base (MIB) to SNMP clients. The TAC Xenta 527-NPR can also trap certain device events and deliver them using SNMP traps to SNMP clients.

*The use of standard IT management tools enhances I/NET ability to interface into the site IT infrastructure. IT managers are much more accepting of products they can manage and observe using their own tools. The SNMP traps allow certain device events to be delivered to SNMP clients allowing IT departments much greater benefit from system capabilities.*

### 6. IT systems compatibility

The TAC Xenta 527-NPR has significantly improved compatibility in most IT network configurations. The TAC Xenta 527-NPR has been tested for operation in networks where Network Address Translation (NAT), Variable Length Subnet Masking (VLSM) and Classless Inter Domain Routing (CIDR) are used.

*There are many ways of configuring IT networks and traditionally some of these would not operate with the NPR. This required IT managers to alter their system configurations to suit our requirements. This can often create difficulties in implementation and system commissioning.*

## 7. Hardware format

The TAC Xenta 527-NPR is built into the common DIN rail mounting housing used by all products in the Xenta range.

**The DIN mounting makes installation much more straightforward into standard IT equipment racks as compared to the pervious Net Plus Router desk top style of enclosure. The separate connection part allows early installation of this piece whilst the expensive electronics part need only be plugged in when finally required.**

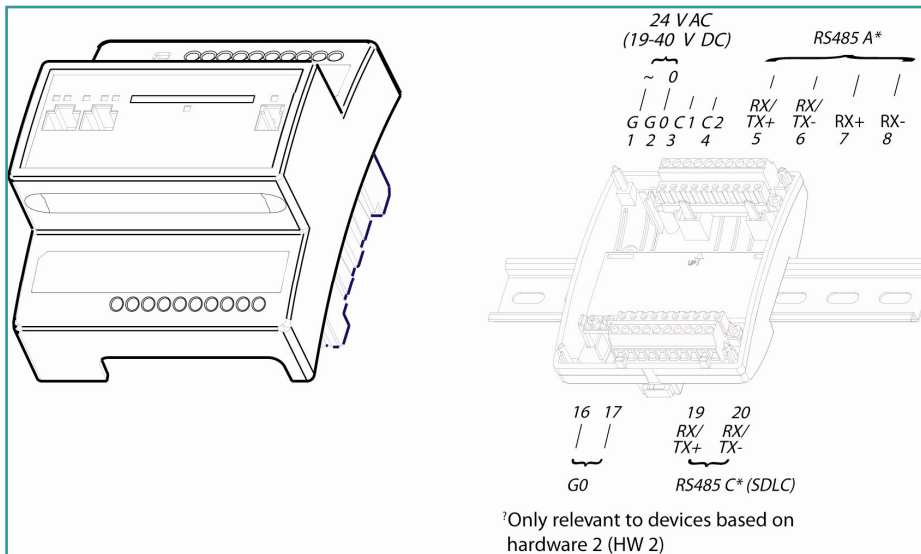


Diagram showing mounting details.