



New Product Bulletin

No: 08-21-02

Category: Series 90-30™

To: Distribution

High-Performance DeviceNet™ Master Module

Horner APG is pleased to announce the release of a powerful new communications module for the GE Fanuc Series 90-30™ PLC. The **HE693DNT350** DeviceNet Master module offers a significant performance upgrade over the existing model. The DNT350 is configured in a similar fashion as the existing HE693DNT250, but it has more configuration options. Both models will continue to be available, allowing the customer to choose the performance level required for the application.

Performance Upgrade

Efficient Scan Technique – Reduced DeviceNet Scan Times

The DNT350 has significantly increased system performance through the use of a more efficient technique for polling slave devices. The DNT250 polls slaves in a purely sequential fashion. The DNT350 sends out multiple poll requests in a shotgun approach, and then handles the slave responses as they come in. This means less time waiting for slave responses and higher bandwidth utilization. For larger systems, network scan times may improve by 25-50mS.

Higher-Performance Microprocessor – 50% faster throughput

The DNT350 also features a higher performance microprocessor (see the comparison chart, bottom of page). This horsepower increase, in conjunction with the change in network scanning technique, results in a significant throughput improvement.

Increased Connection Support

The DNT350 adds support for the Bit-strobe connection, which is unsupported in the DNT250. This provides support for many devices (such as certain photo-eyes) that only support this connection in lieu of a polled connection.

Flexible Configuration

The DNT350 utilizes a new Windows® compatible configuration utility (included). This utility adds support for the bit-strobe connection, and several other new configuration options. These include flexible data assemblies, minimum polled scan time (per slave), fragmented message delay (per slave) and others. Configuration downloads have also been improved to be faster and more reliable.

Model Number	Microprocessor	Clock Frequency	Performance Benchmark
HE693DNT250	Intel 80C196CA	16MHz	1X
HE693DNT350	Intel 80C196NU	40MHz	5X



Horner APG DeviceNet Master Module

Ordering Information

Part Numbers	Description
HE693DNT350	High-performance (5x) DeviceNet Master Module for the GE Fanuc Series 90-30 PLC.
HE693DNT250	Standard Performance (1x) DeviceNet Master Module
HE693DNT750	DeviceNet Slave Module for the GE Fanuc Series 90-30 PLC.

Important Note on Performance

There are several factors in the determination of exact system performance. The performance levels listed above are for comparison purposes only. Results may vary.

Contact your local sales representative for pricing and delivery.

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