



Boards - Power Supplies - Instruments

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New RS-232, 422 or 485 Serial Communication VME card Model 64RS3

Bohemia, NY - North Atlantic Industries, Board Division has announced the availability of a new VME Serial Communication card. The 64RS3 is a sophisticated, high-speed, DSP-based card incorporates eighteen (18) intelligent, full duplex communications channels that can individually be software configured for either RS-232C, RS-423, RS-422 or RS-485 (Synchronous or Asynchronous). The architecture avoids latency problems because all data transfer is done in hardware and not in software. The DSP runs at 160 MHz and only handles background tasks such as interrupt generation. Therefore, any incoming data, no matter how many channels are active, and in whatever mode, can be immediately extracted. A BREAK sequence capability is incorporated. Bus Data is transferred within 200 ns. A layer of software isolates the user from UART idiosyncrasies thus simplifying programming and usage. Internal loop-back test is performed when power is applied and results are stored in registers. During loop-back test the outputs are disconnected. The 64RS3 is currently in production and is available in two temperature ranges (0 to 70 C) or (-40 to +85 C) in both air-cooled and conduction-cooled versions.



About North Atlantic Industries

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