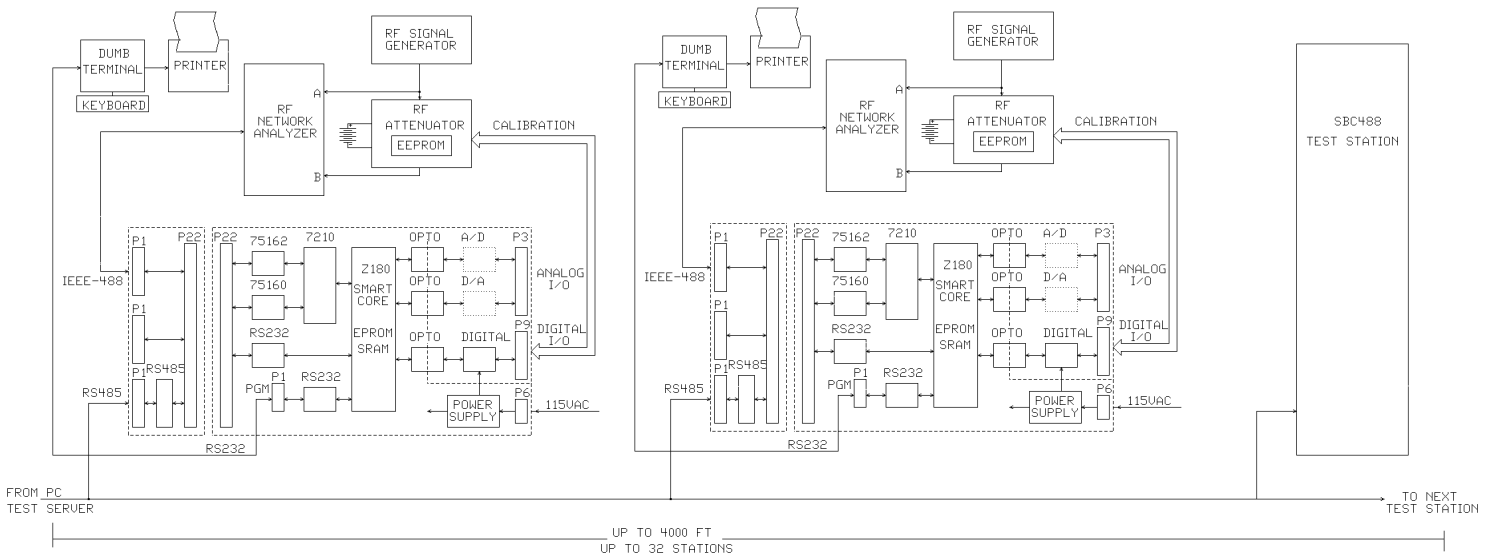


This Application note covers the use of the SBC488 in a network of test controllers. The connection of the SBC488 to a typical system is shown below. In this application, the customer distributes SBC488 controllers on the production floor. The controllers are networked over a half-duplex RS-485 multi-drop connection. Each test station contains a dumb terminal for user input and control. The PC server captures test data from each test station for archival and QC purposes.

This approach has many advantages over the IEEE 488 bus alone. Normally only 32 unique primary addresses are allowed in a 488 system. This approach allows up to 1024 (32 X 32) addresses. The IEEE 488 bus is typically limited to 20 m from end to end. This approach allows up to 4000 ft. with low cost twisted pair. Finally, the distributed architecture allows expansion without server loading and test variations.



The SBC488 is available exclusively from:

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