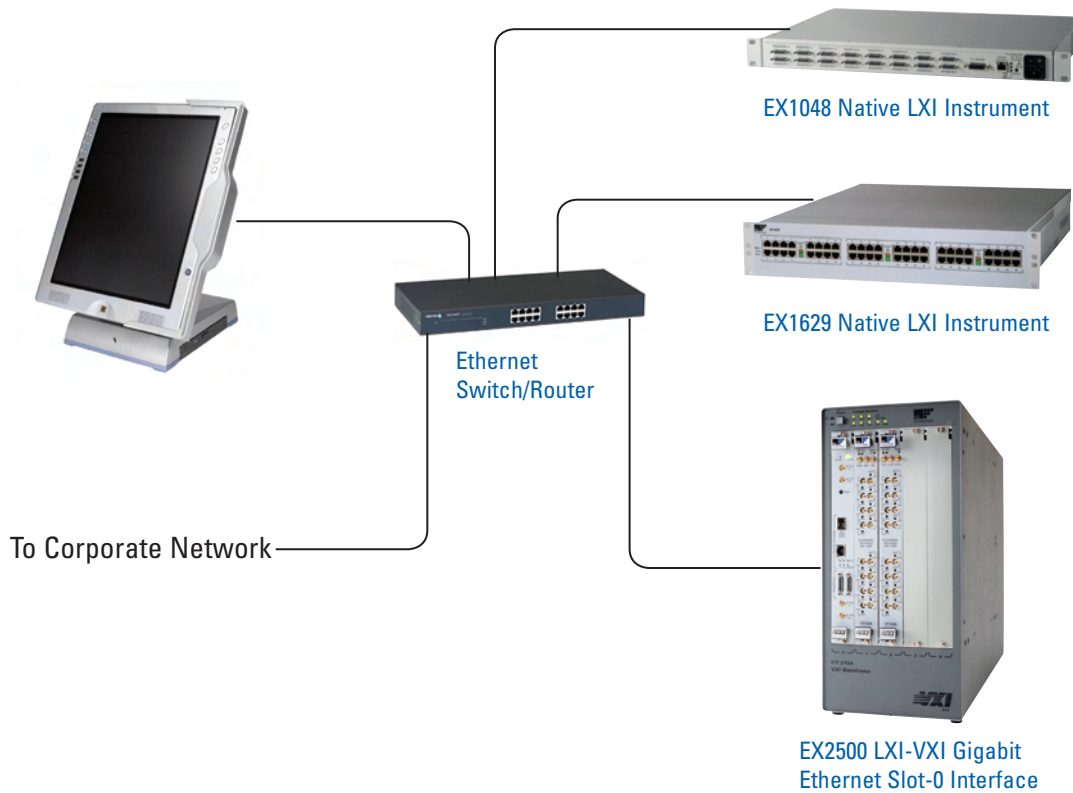


LXI Bridging VXI

LXI Bridge Objective

The main objective behind any bridge or adapter device is to retain all native platform functionality while providing a transparent path to the protocol or interface of choice, LXI in this instance. Not only can the design engineer count on the native performance of the VXIbus, but also leverage the features of LXI such as long communications path lengths, high data transfer rates, hardware and software independence, and easy cable routing.

LXI instruments and interfaces have been architected so that hybrid systems can be easily configured. LAN-based test systems will use standard LAN connectivity with off-the-shelf switches and hubs permitting simple setup without expensive interface cards and proprietary cable configurations. Instrumentation can now be placed near test articles, or where most convenient, without any undue restrictions using standard copper or fiber optic cable.



Industry Reality

Many functional test and data acquisition applications are ideally suited for VXIbus solutions, and the introduction of a new instrumentation interface will not change this reality. However, there will be significant opportunities to leverage the advantages of LXI-based devices, requiring a seamless integration path between the two architectures.

Therefore, bridge devices are essential if the designer hopes to leverage all of the alternatives available.