class LXI definitions

The LXI specification has been divided into key functional areas, and product certification is based upon specific "Class" requirements. Class A encompasses all of the benefits of LXI and is the class of choice for systems that require instrumentation to be tightly integrated and synchronized.

LXI Class A •

Class A compliant devices must include all of the requirements of Class B and Class C in addition to a hardware trigger interface. This interface will provide the means for deterministic hardware triggering and synchronization of LXI instruments, utilizing a consistent hardware and programmatic interface. The TriggerBus interface also provides a means to interface with other open standard platform architectures, such as VXIbus, maximizing the user's test and measurement investment dollars.

LXI Class B •

Class B compliant devices must include all of the requirements of Class C, and also employ IEEE 1588, a standard that defines a precision clock synchronization protocol for networked measurement and control systems. This approach ensures extremely accurate device synchronization utilizing only the Ethernet interface/wire.

LXI Class C •

Class C compliance is the baseline level of certification and encompasses areas such as basic network functionality, device discovery, web browser interfacing, user interface, and physical attributes. Class C does not allow for multiple LXI devices to trigger each other or make synchronous measurements.