

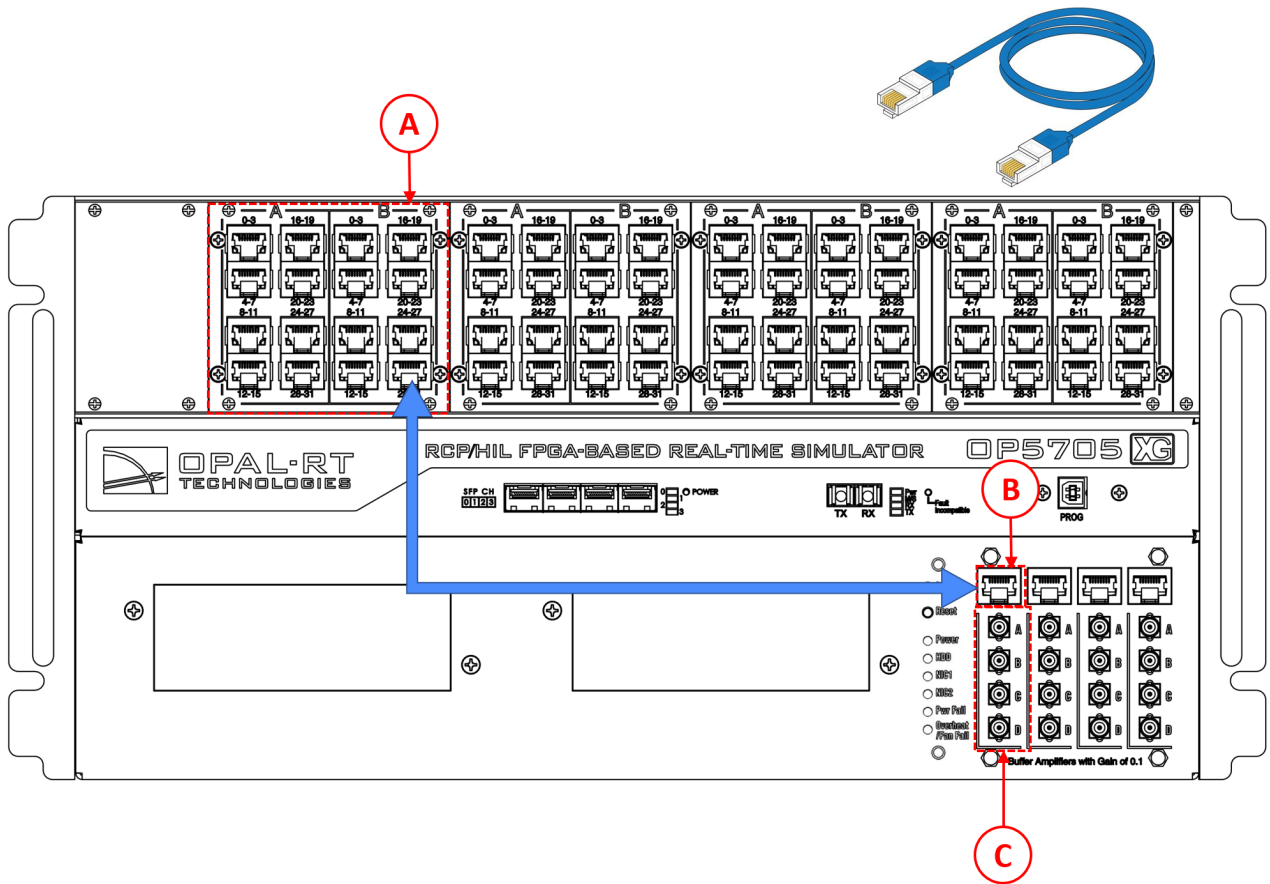
# OP5705XG Connecting Monitoring Devices

The OP5705XG simulator offers **quick, single-ended connections, through RJ45 and mini BNC connectors, to any monitoring device** (i.e. oscilloscope, etc.).

These **mini-BNC jacks** let you **monitor 4 channels individually**. Simply follow these instructions (as illustrated in the figure below):

**i** The **monitoring board** has a **gain of 0.1** to allow a broader range of signals to be read. **The oscilloscope must be adjusted with a gain of 10** to compensate and ensure accurate readings.

**!** **Only connect Ethernet cable with RJ45 ends** from the upper section (A) monitoring jacks to the lower section monitoring panel (B, as shown). **Connecting any other cable or device may result in damage to the equipment.**



- Connect one end of the RJ45 cable to the desired channels (A). See [OP5705XG Pin Assignments](#) for RJ45 connector pinouts
- Connect the other end of the RJ45 cable to the monitoring connector (B)
- Connect the mini BNC cable from the monitoring device to the mini BNC connectors (C) of the unit as shown in the figure above. These are labeled A, B, C, D, and each connector represents a channel.
- Using the image as an example, the connectors represent channels in the following order; A = channel 28, B = channel 29, C = channel 30 D = channel 31.