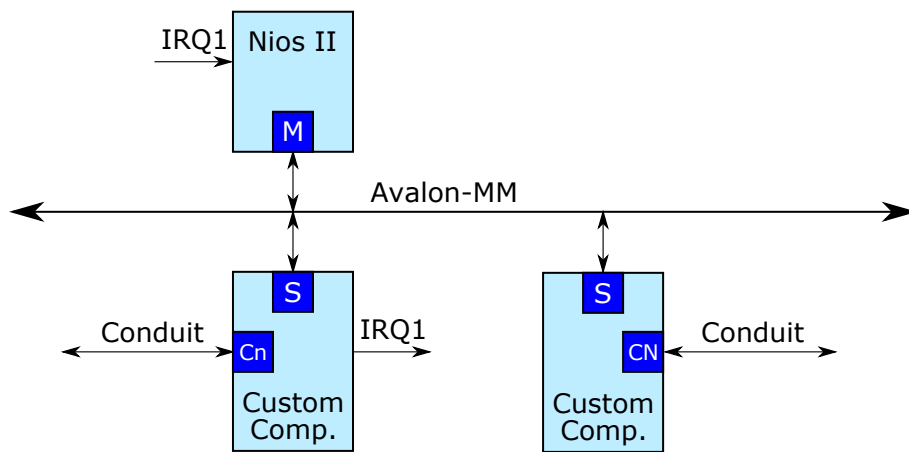Figure 1: Communication via $Avalon - ST$

Figure 2: Communication via Interrupt