

## Point-to-Point

[Return to Glossary](#)

**Point-to-point** is the simplest [model of communication](#), as illustrated in Figure 1; it is a model of one-to-one communications. The telephone is an example of an everyday point-to-point communications device. To use a telephone, you must know the address (phone number) of the other party. Once a connection is established, you can have a reasonably high-[bandwidth](#) conversation. However, the telephone does not work as well if you have to talk to many people at the same time. The telephone is essentially one-to-one communication.



Figure 1: Point-to-Point Communication Model

[tcp](#) is a point-to-point network [protocol](#) designed in the 1970s. While it provides reliable, high-bandwidth communication, TCP is cumbersome for systems with many communicating nodes.

Source: <https://community.rti.com/glossary/point-point>

From:  
<https://www.omgwiki.org/ddsf/> - **DDS Foundation Wiki**

Permanent link:  
[https://www.omgwiki.org/ddsf/doku.php?id=ddsf:public:guidebook:06\\_append:glossary:p:point-to-point&rev=1626292405](https://www.omgwiki.org/ddsf/doku.php?id=ddsf:public:guidebook:06_append:glossary:p:point-to-point&rev=1626292405)

Last update: **2021/07/14 15:53**

