

Topic:

Web-IO Digital Box-to-Box

Send switching signals over the network

Whether gate control at the company entrance, the nurse call system in a hospital, or alarm switches on the cold store or furnace - there are many places where there is a need to send switching signals over longer distances.

One way to get around the cabling mess is to use the local network as a transmission path. No problem with our Web-IO Digital models.

How it's done

- [Provide power to the Web-IO and connect the IOs](#)
- [Simply connect two Web-IO boxes to the network at the corresponding locations](#)
- [Assign IP addresses](#)
- [Configure Web-IOs for Box-to-Box mode](#)

As soon as these steps are completed, the outputs on the one Web-IO follow the inputs on the other 1:1. This works in both directions of course.

Box-to-Box solutions offer many advantages:

- In a full TCP/IP infrastructure Box-to-Box solutions also work between networks, i.e. through routers.
- When locations change no great rewiring is required. All you need to do is connect the affected Web-IO to the network at the new location and change the IP parameters.
- Box-to-Box connections are secured by the TCP protocol. When a connection is lost, for example from a network disturbance, the Web-IOs find each other again without any administrative intervention.
- When correspondingly configured, similar to wire break protection, a safe state for the outputs is determined when the network connection is lost.
- Current signal states can be queried at any time using the Web interface.

Here is a sampling of suitable products

<p>#57737</p>  <p>Web-IO 4.0 Digital 2xIn, 2xOut</p> <p>Power via PoE also when needed</p>	<p>#57730</p>  <p>Web-IO 4.0 Digital 12xIn, 12xOut</p> <p>12x inputs, 12x outputs</p>	<p>#57738</p>  <p>Web-IO 4.0 Digital 12xIn, 8xRelay Out</p> <p>Switch 8x potential-free</p>
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