



B/IP Broadcast...

In addition to devices talking directly to each other, there needs to be a mechanism to broadcast a message so that all B/IP devices receive it. We will use the existing standard for broadcasting UDP packets.

A UDP broadcast packet is 'sent' to an IP address with the subnet of the broadcasting device and all 1's in the host portion. For example, if a device has an address 128.253.109.10 and a subnet mask 255.255.255.0, it can use the broadcast address 128.253.109.255. Although most networks also allow the use of the IP broadcast address 255.255.255.255, we have ruled this out for BACnet/IP because of some IP protocol stack limitations that certain implementors have encountered.

