

Description:

The Network Interface Card (NIC) is compatible with the **FireFinder PLUS** Fire Alarm Control Panel. It allows up to 99 **FireFinder PLUS** FACP's (nodes) to be connected in a redundant network configuration.

The network can tolerate an open circuit or short circuit fault without loss of communications in any nodes.

The maximum length of cable between each node is 1.2km.

The Network Interface Card 2 Wire Kit consists of:

- 1 x BRD86NIC'X'-A
- 1 x 261-0008 16W 1000mm AB1000/NZ3200
- 1 x CAB2807 Ass 2C 3way IDT 700mm PWR
- 4 x HW1585 SCRW M3x6mm P/H ST Z/P POZ
- 4 x HW2410Spacer 15mm HEX M3 INT & EXT Thread

Installation:

Observe anti-static precautions at all times

- Power down and disconnect the batteries

Mounting

- If necessary fit the stand offs to the suitably spaced captive nuts in the lower right hand side backpan position
- Mount the board onto the standoffs using the 4 M3 x 6mm screws

Connecting to the FireFinder Plus FACP

- Using the supplied 16 Way ribbon cable (261-0008) connect CN3 on the NIC Board to CN18 (Loop Comms) of the Main Control Board. See *Figure 2*
- Connect power to one of the following power connectors CN4 – CN8 of the Brigade Board using CAB2807
- Bring the field cabling into the FACP through a suitable knockout and terminate to TB1 for Communications In and TB2 for Communications Out. See *Figure 2*
- Power up the panel and reconnect the batteries

Note: Ensure all CPU's are running the same Application and Configuration software

- Using AMPAC's configuration tools configure the Network Interface Card as required.
- Test

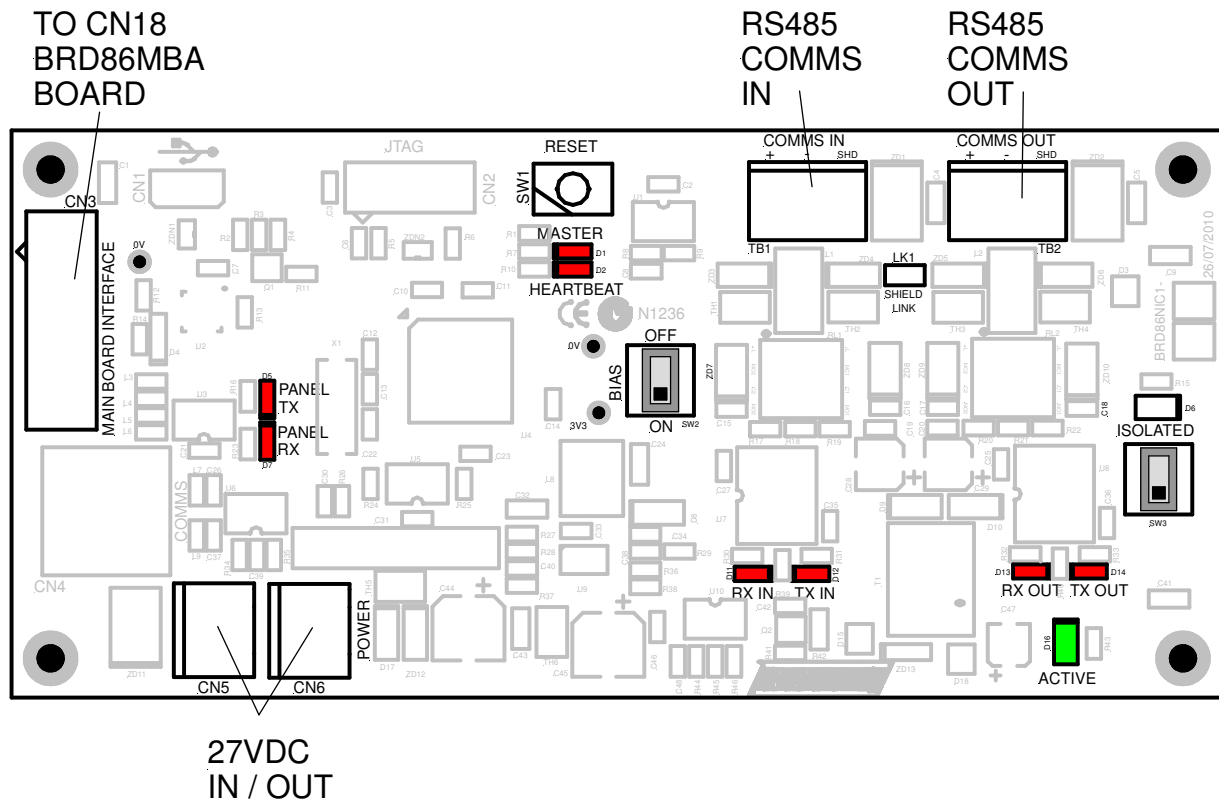


Figure 1: Network Interface Card 2 Wire Connections

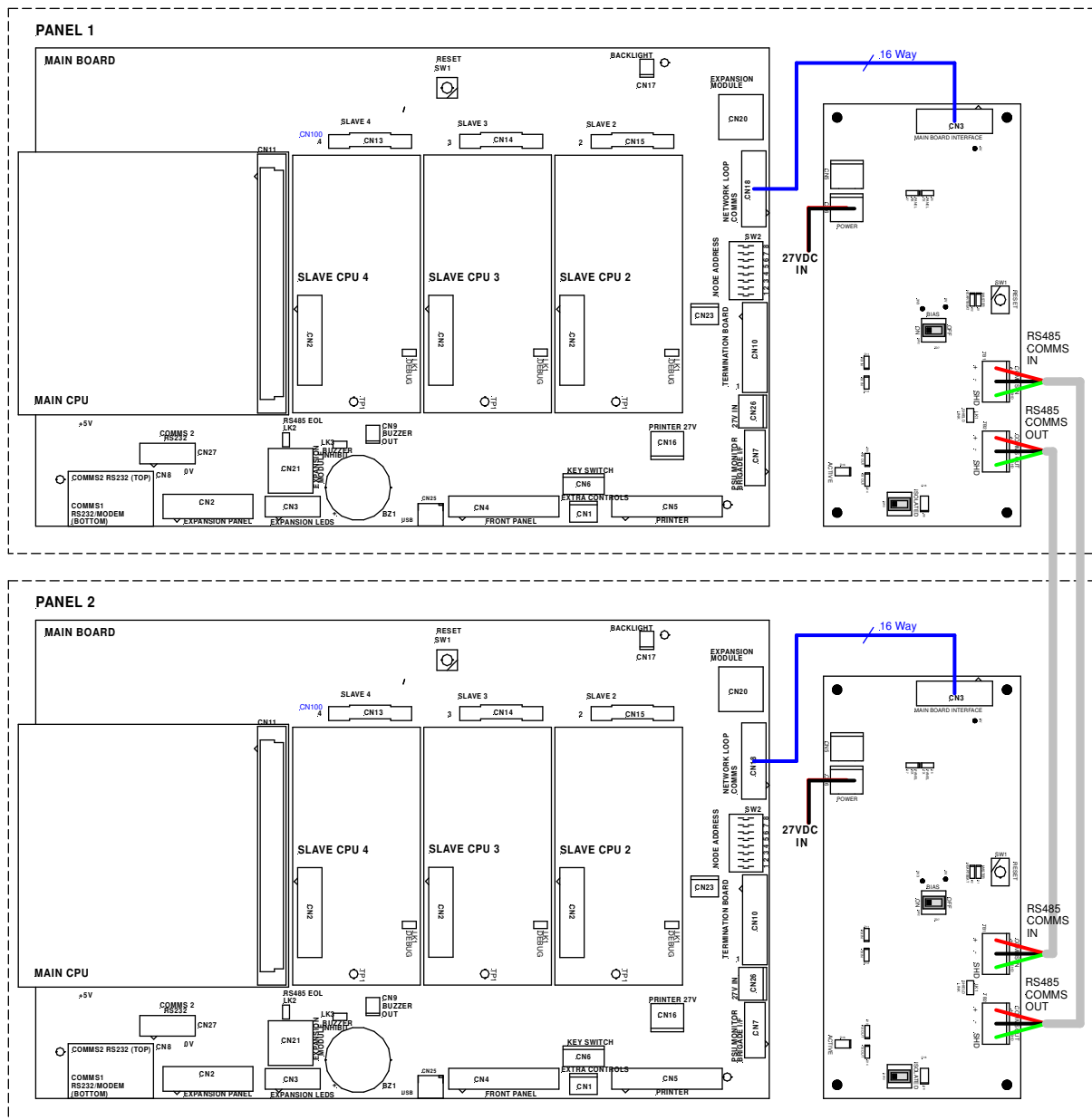


Figure 2: General Wiring of 2 FACP's on a network



Note: Maximum distances between panels = 1.2km

Cable to be used = Belden 9841 Single pair shielded or equivalent.