

Description:

The Network Interface Board (NIC) provides the RS485 communication buses via CN18 on the Main Controller (Loop Comms) to allow the networking of multiple panels in different combinations, e.g. from Data Gathering Panels (DGP) to Peer to Peer panels. Fitted to the NIC is the CPU IO Controller (BRD85CPU) with NIC software to control the in out flow of communications.

Introduction:

The Network Interface Card 2 Wire AS4428 Kit consists of:

- 1 x BRD85CPU3-B
- 1 x BRD85NIC'X'-A
- 2 x HW3020 Spacer Nylon M3 x 14mm
- 2 x HW1816 Nut M3 Hex ST Z/P
- 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
- 8 x HW2273 Spacer 15mm HEX M3 INT & EXT Thread

Installation:

Observe anti-static precautions at all times

1. Power down and disconnect the batteries

Mounting

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

Connecting to the FACP

4. Using the supplied 16 Way ribbon cable connect CN1 on the NIC Board to CN18 (Loop Comms) of the Main Control Board. See Figure 2
5. Connect power to CN6 or CN7 using the CAB2807
6. Bring the field cabling into the FACP through a suitable knockout and terminate to the required Connectors. See Figure 2
7. Power up the panel and reconnect the batteries
8. NOTE: Ensure all CPU's are running the same Application and Configuration software
9. Network Interface Card is configured using the ConfigManager Tool for FireFinder Series II (refer ConfigManager V6 AS4428 manual (MAN2599))
10. Test

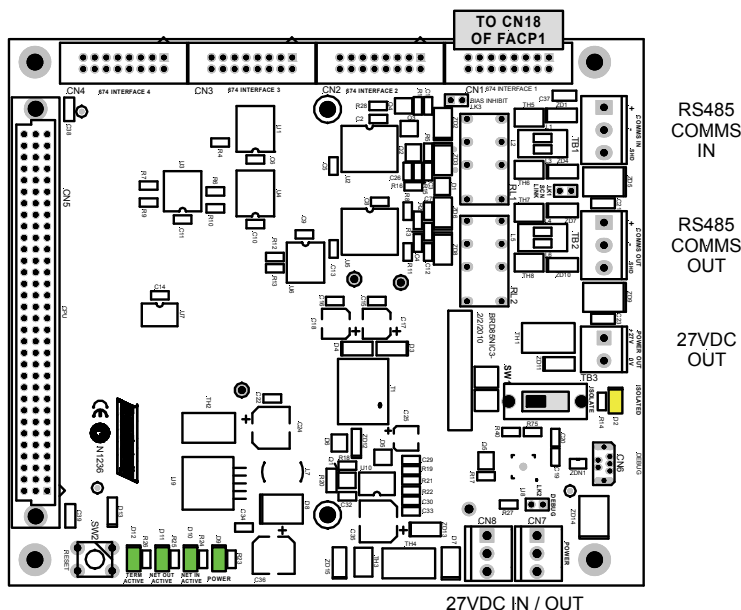


Figure 1: Network Interface Card 2 Wire AS4428

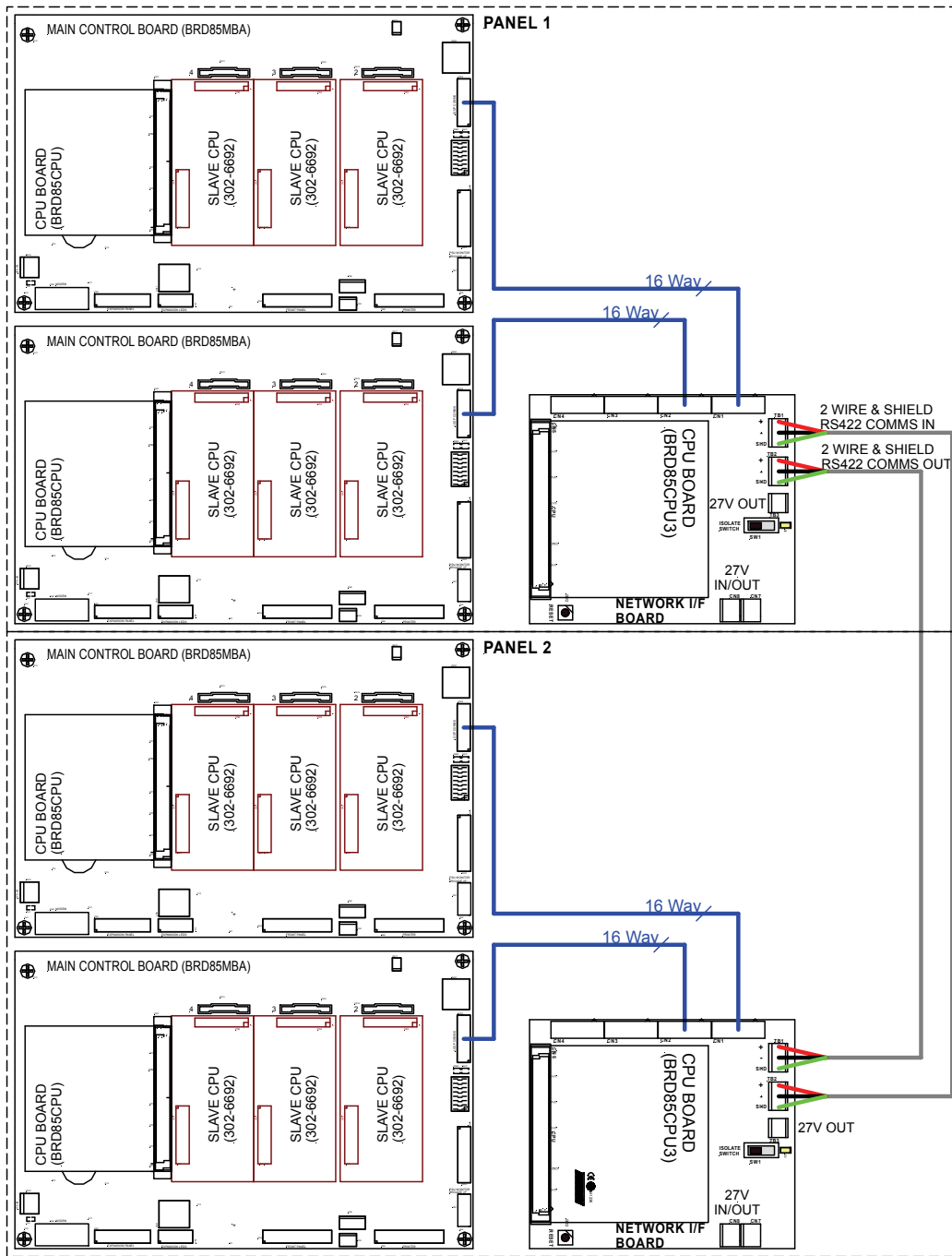


Figure 2: General Wiring of Two FACP's on a network

Note: Maximum distances between panels = 1.2km if greater distances are required a rs422 Repeater (black box 352a or 352a-f) is to be fitted every 1.2km after the first 1.2km.

Cable to be used = Belden 8132 or 9842 two pair shielded.