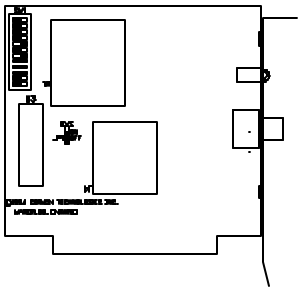
CORMAN TECHNOLOGIES INC.

Technical Product Specifications

CT-N108

CorNet ARCNET Adapter PC Coax QNX

DESCRIPTION



This is a coax ARCNET adapter. This adapter is fully compatible with both QNX 2 and QNX 4.

OPERATING ENVIRONMENT

- Power : +5V DC +/-5% @ 1A (typical less than 200mA)
  -12V DC +/- 5% @ 21 mA
- Operating Temperature: 0 to 43 ºC
- Storage Temperature: -40 to 125 ºC
- Humidity: 5% to 80% (non-condensing)
- Signal Levels: Transmit: 15.4 Vp-p Receive sensitivity: 3.0 Vp-p

ARCNET LAN INTERFACE

- Modified Token Passing Local Area Network
- 2.5 Megabaud transmission
- Supports up to 255 nodes
- Requires only 8 kbytes of Address Space
- IBM PC, XT, AT and compatible
- Switch selectable memory map base address (CC00,CE00,DC00,DE00,EC00,EE00)
- Menu selectable node ID and interrupt level (levels 2,3,4,5,6 & 7)
- 2 KB dual ported RAM buffer for high speed interleaved message transfer
- Software reset capability

PHYSICAL SPECIFICATIONS

- PCB mounted low profile BNC connector to RG-62 A/U 93 Ohm coaxial cable
- LED indicators: green - indicates network is operating normally
  red - indicates node activity
- Short length 8 Bit ISA Bus Card (4.97" long)

INSTALLATION CONSIDERATIONS

Coax Cable type

- RG62A/U 93 ohm with BNC connectors

Coax Distances

- From node to hub 2000 ft. (600 m)
- Total network span up to 22,000 ft. (6600 m) (using standard time-outs)
- Maximum of 10 active hubs may be between any two nodes on the network

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CONFORMS TO THE FOLLOWING STANDARDS

- ARCNET: ANSI 878.1
- EMC: EN55022:1994 (Emissions)
  - CISPR 22 1993-12 Class B
  - FCC Part 15 Class A
  - EN 50082-1 (Immunity)
    - IEC 801-2:1991
      - 8KV Contact, 15KV Air
    - IEC 801-3:1984
      - 3V/m
    - IEC 801-4:1988
      - 0.5 KV Signal line,
      - 1 KV Power line

- European CE compliance

Before any unit can leave the factory, an intensive elevated temperature burn-in procedure is performed. During burn-in, the units are not only powered on but also connected to an operational LAN running diagnostic software. The ambient temperature in the burn-in chamber is raised to an abnormally high temperature for computerequipment creating even higher temperatures at the PCB surface of the unit itself. Our workmanship and quality control is focused towards the goal of customer satisfaction.