

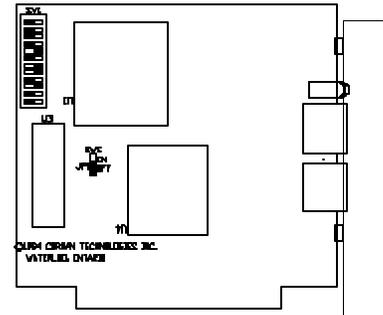
CorNet ARCNET Adapter PC Twisted Pair QNX

DESCRIPTION

This is a twisted pair ARCNET adapter. It combines the advantages of ARCNET with the low cost of twisted pair wiring. This adapter is fully compatible with both QNX 2 and QNX 4.

OPERATING ENVIRONMENT

- Power : +5V DC +/-5% @ 1A maximum
(260mA typical)
- Operating Temperature: -5V DC +/- 5% @ 150mA
- Storage Temperature: 0 to 43 °C
- Humidity: -40 to 125 °C
- Signal Levels: 5% to 80% (non-condensing)
- Transmit: 15.4 Vp-p Receive sensitivity: 3.0 Vp-p



ARCNET LAN INTERFACE

- Modified Token Passing Local Area Network
- 2.5 Megabaud transmission rate
- 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 RJ11 Connectors
- LED indicators: green - indicates network is operating normally
red - indicates node activity
- Short length 8 Bit ISA Bus Card (4.97" long)

INSTALLATION CONSIDERATIONS

- Twisted Pair Cable type
- Category 3 or better unshielded twisted pair
- Twisted Pair Distances
- From node to hub 400 ft. (120 m)
- Total network span up to 4400 ft. (1320 m)
- Maximum of 10 active hubs may be between any two nodes on the network



Technical Product Specifications

CT-N118

CONFORMS TO THE FOLLOWING STANDARDS

- ARCNET: ANSI 878.1
- EMC: EN55022:1994 (Emissions)
 - CISPR 22 1993-12 Class A
 - FCC Part 15 Class A
 - EN 50082-1 (Immunity)
 - IEC 801-2:1991
 - 4KV Contact, 8KV Air
 - IEC 801-3:1984
 - 3V/m
 - IEC 801-4:1988
 - 0.5 KV Signal line,
 - 1 KV Power line
- Safety: EN 60950:1992/A1:1993
 - IEC 950:1991+A1:1992+A2:1993
 - UL 1950, cUL (CSA 950 accepted equivalent)
- 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 computer equipment creating even higher temperatures at the PCB surface of the unit itself. Our workmanship and quality control is focused on the goal of customer satisfaction.

Specifications subject to change without notice.

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