

CPCNT01 Interface card

CompactPCI ControlNet™ Interface card

*ControlNet™ is ControlNet International's registered trademark.



ITEM	SPECIFICATION
ControlNet communication rate	5Mbps
Number of Maximum nodes	99 nodes (Maximum 127 connections)
Connction	75 Ω coaxial cable
Media access encoding	Manchester Encoding
Protocol	Media access through CTDMA (Concurrent Time Domain Multiple Access) Scheduled/unscheduled data transmitting
Frame data length	510byte / frame
Data check method	CRC (X ¹⁶ +X ¹² +X ⁵ +1)/8 humming distance
Indicator	Comm A and Comm B Simultaneously Off (No power, or reset) Red (Inoperative) Red/Green flash (self-test) Red/Off flash (Bad node configuration) Comm A or Comm B (Individually) Off (Channel disabled) Green (Channel operational) Green/Off flash (Temporary network errors) Red/Off flash (Cable fault, broken cable, Redundancy warning) Red/Green flash(Bad network configuration)
Bus standard	PCI Local bus specification R2.1 base PICMG2.0 R2.1
Environmental conditions	(Operating) Temperature: 0 ~ 55 °C Humidity: 35 ~ 95 % RH (No condensation) (Storage) Temperature: -10 ~ 70 °C Humidity: Less than 80 % RH (No condensation)
Power supply	DC 5V ±5% / typ 1.0 A
Dimensions	174 mmD×128 mmH×20 mmW (3U×1 Slot)

■ Outline

- * 133MB/sec CompactPCI bus
- * ControlNet™ interface card
- * 5Mbps media duplicated communication interface
- * 75 Ω coaxial cable
- * Communication controller :
32bit microprocessor/25Mhz
- * ROM : 512KB
- * RAM : 2MB
- * 16KB dual port RAM
(for CompactPCI bus interface use)

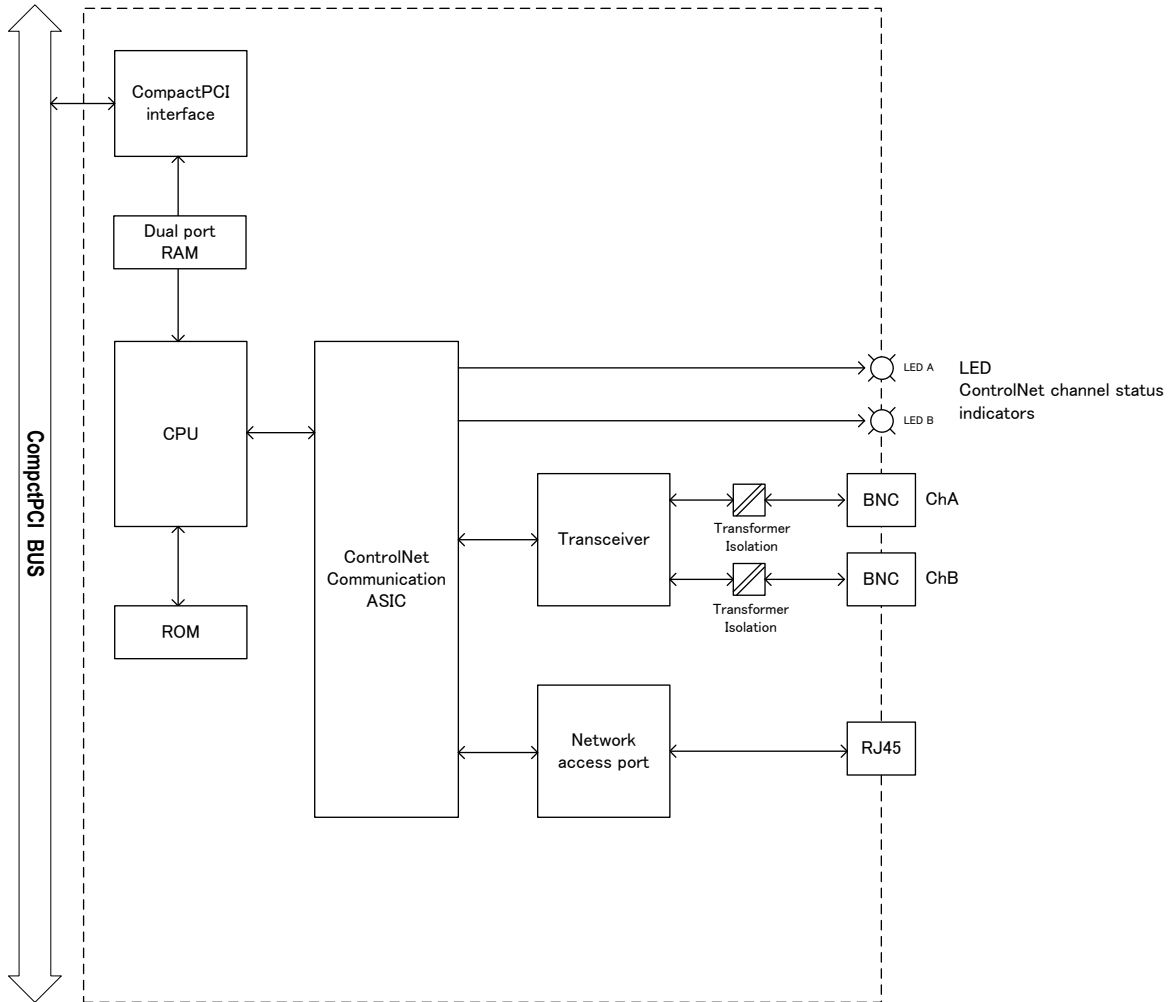
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CPCNT01 block diagram



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