

CPCNT01 Interface card

CompactPCI ControlNetTM Interface card

*ControlNetTM is ControlNet International's registered trademark.



■ Outline

- * 133MB/sec CompactPCI bus
- * ControlNetTM 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)

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)

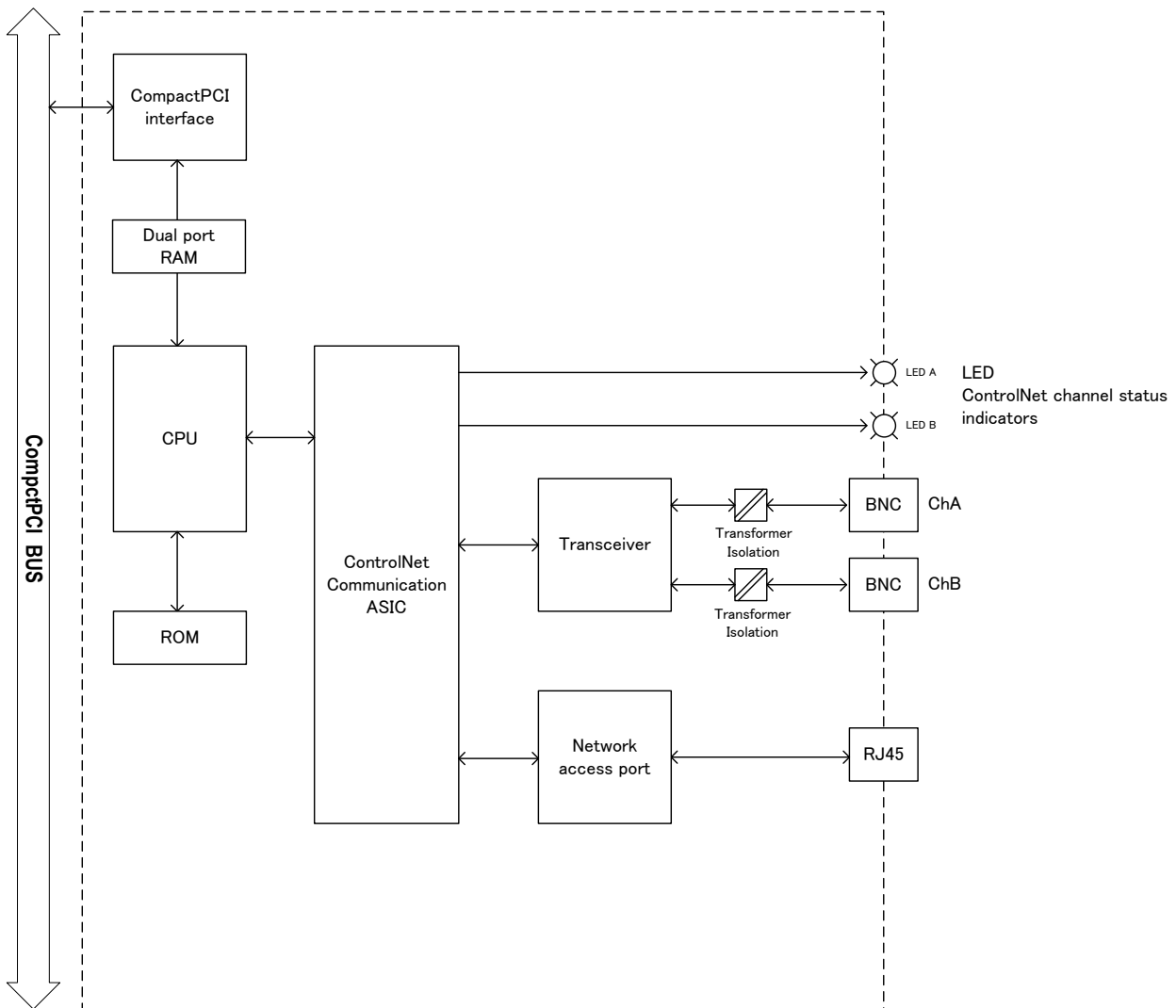
This product uses technology licensed from Rockwell Automation Technologies, Inc.

CPCNT01 Interface card

CompactPCI ControlNet[™] Interface card

*ControlNet[™] is ControlNet International's registered trademark.

CPCNT01 block diagram



When using, please read the instruction manual attached to the product carefully and use it properly.

This catalog may not be distributed or reproduced in whole or in part without permission.

Please be aware that due to product improvements and modifications, the product description in this catalog may differ in certain respects from the actual product.

DIASYS Netmation/DIASYS Netmation4S is a registered trademark of Mitsubishi Power, Ltd.

The service names and product names of other companies described in this catalog are the trademarks or registered trademarks of each company.