YOKOGAWA VNET

Product Data Sheet

VF701 S3

Vnet PCI Interface Card

PCI SPECIFICATION	CONTROL BUS COMPATIBILITY	TRANSMISSION MEDIUM	NETWORK CONNECTOR TYPE
Revision 2.2	**Vnet / VLnet**	**10BASE2 coaxial cable**	**BNC**

Yokogawa VF701 S3 is a PCI control-bus interface card for the V net connection of an engineering PC. The manufacturer hardware manual distinguishes VF701 from the PCI Express VF702 while stating that both provide the same V net functions. The card provides the PC connection to the corresponding control stations.

01 TECHNICAL DATA

PCI specification	Revision 2.2
Control bus compatibility	Vnet / VLnet
Transmission medium	10BASE2 coaxial cable
Network connector type	BNC
Redundant network ports	2: BUS1 and BUS2
10BASE2-only segment length	185 m maximum
T-plug reference	YCB146
PCI-X segment clock with VF701	33 MHz
PCI-X minimum software release	CS 1000 / CS 3000 R3.05
Power supply voltage	5 V DC +/-5%

Yokogawa VF701 S3 technical reference; confirmed shared specifications with variant-specific ratings identified separate

02 ADDITIONAL PRODUCT DATA

PCI signal voltage	3.3 V / 5 V
Maximum supply current	1.1 A
Receive indicator	RCV
Transmit indicator	SND
EMC marking	CE / C-Tick

03 PRODUCT FUNCTION

The V net interface supports two ports for the redundant network and uses the specified YCB141 cable arrangement. It is separate from the VI701/VI702 Vnet/IP interface family; the similar card names do not make those networks interchangeable. Host slot type and the installed engineering software must therefore be considered together.

04 SYSTEM COMPATIBILITY

Connect the V net paths using the specified YCB141 cable arrangement and preserve the two redundant network sides. Identify the actual V net network before selecting hardware, because the VI701/VI702 cards are the separate Vnet/IP family.

05 REFERENCE

Yokogawa VF701 S3 technical reference; confirmed shared specifications with variant-specific ratings identified separately.

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