Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832
Email & Skype: info@chipsmall.com Web: www.chipsmall.com
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

ConnectPro Gateways
VFG1000/2000/3000

PRODUCT FEATURES

- Converts multiple serial and Ethernet protocols simultaneously
- Extensive built-in driver list for easy mapping to PLCs, PCs, and SCADA systems
- 10Base-T/100Base-TX Ethernet port supports four simultaneous protocols; up to nine (with expansion card)
- Independent serial ports provide unlimited integration methods

The Vlinx™ ConnectPro Gateway provides the functionality of a Protocol Converter, a Data Logger, a Virtual HMI and an Ethernet Gateway all in one powerful package. Three built-in independent serial ports and a 10/100 Base-TX Ethernet port allow discrete devices to communicate seamlessly. CompactFlash card slot allows configuration files to be created at a central location and distributed to field-installed units. The USB port may be used for fast file downloads, or mounting a CompactFlash card as a PC external drive. DIN rail mounting saves time and panel space and makes industrial installation easy.

ORDERING INFORMATION

MODEL NUMBER	WEB SERVER WITH VIRTUAL HMI	DATA LOGGING	ONBOARD SDRAM
VFG1000	No	No	2 MB
VFG2000	QVGA (320x240)	Yes	2 MB
VFG3000	VGA (640x480)	Yes	8 MB
EXPANSION CARD OPTIONS	INTERFACE	CONNECTOR	BAUD/FREQUENCY
VFG9000-CAN	CANopen	Terminal Block	up to 1Mbps
VFG9000-SERIAL	RS-232/422/485 & DH485	RJ45 - RS-422/285 & RJ12 - RS-232	up to 500Kbps
VFG9000-CEL	GSM/GPRS Cellular	SMA male	850/1900, 900/1800
VFG9000-PBDP	Profibus DP	DB9 female	up to 12Mbps
VFG9000-DN	DeviceNet	Terminal Block	up to 500Kbps
VFG9000-ENET	Ethernet	RJ-45	10/100Mbps

PROTOCOLS SUPPORTED

For complete list, visit **www.bb-elec.com/ConnectPro**

ABB Com	IDEC Micro 3 Series / ONC
ACTech Simple Servo, UDP	IDEC Micro Smart Series
ADAM4000 Modules	IMO G Series, K Series
Allen Bradley DF1	IMO PLC-CNET
Allen Bradley DF1 TCP	Icron Modline
Allen Bradley DF1 PCC/EIP	Kollmorgen AC Drives
Allen Bradley DH485	Encapsulated Modbus over Ethernet
Allen Bradley Ethernet IP	Modbus TCP/IP, RTU, ASCII
Allen Bradley Ultra 3000	Omron C Series PLC
BACnet 802.3, MS/TP, UDP/IP	Omron FINS Ethernet, Serial
Bannor PresencePlus	Phoenix Contact nanoLC Serial, TCP/IP
CANOpen	Schneider Uni-Telway, TSX-47
Control Techniques	Siemens S5, S7 200, S7 300/400
Device Net	Siemens TI500
GE SNP, SNP-X, TCP/IP	Square D Symax
Hitachi H	Toshiba PL
Honeywell IPC620 PLC	

ConnectPro Gateways
VFG1000/2000/3000

SPECIFICATIONS

SERIAL TECHNOLOGY	
RS-232	RJ-45
RS-485 2-Wire	RJ-45, TxA, TxB, TxEN, GND
RS-422/485 4-Wire	RJ-45, TxA, TxB, RxA, RxB, TxEN, GND
Serial Connector	RS-422/485 (RJ-45)
Programming	USB 1.1 (type B) and RS-232 (RJ-12)
Data Rate	Up to115,200 bps, software selectable

POWER	
Source	External
Input Voltage	24 VDC
Connector	Removable terminal block

MECHANICAL	
LED Indicators	STS, TX/RX, Ethernet, CF
Dimensions	13.46 x 10.54 x 7.85 cm (5.30 x 4.15 x 3.09 in)
Enclosure	High-impact plastic, stainless steel (DIN mountable)

ENVIRONMENTAL	
Operating Temperature	0° to 50°C
Operating Humidity	80% relative, noncondensing

NETWORK	
Onboard user memory	4MB of non-volatile flash memory
Onboard SDRAM	2MB, 8MB (VFG3000)
Memory Cards	Compact Flash, Type II slot for Type 1 and Type II cards Used for optional data base storage only

NETWORK COMMUNICATIONS	
LAN	10/100 MB
Network Physical Layer Standards	
Ethernet	10Base-T, 100Base-TX (wired as NIC), RJ-45

PROTOCOLS	
Protocols	See supported protocol list on first page
IP Mode	DHCP
	TCP/IP

REGULATORY / CERTIFICATIONS / SAFETY	
Certifications/ Compliances	FCC, CE, cUL Listed, Class 1 Division 2 (Groups A, B, C, D) UL Listed, File #E222870, UL508, CSA 22.2 No. 14-M05 and File #E245458, ANSI/ISA 12.12.01-2007, CSA 22.2 No. 213-M1987; LISTED by Und. Lab. Inc. to U.S. and Canadian safety standards IEC 61010-1, EN 61010-1
EMC	EN 61326: 2006; EN 61000-4 (-2, -3, -4, -5, -6); EN 55011

MECHANICAL DIAGRAM

7.85 cm
3.09 in

13.46 cm
5.30 in

10.54 cm
4.15 in