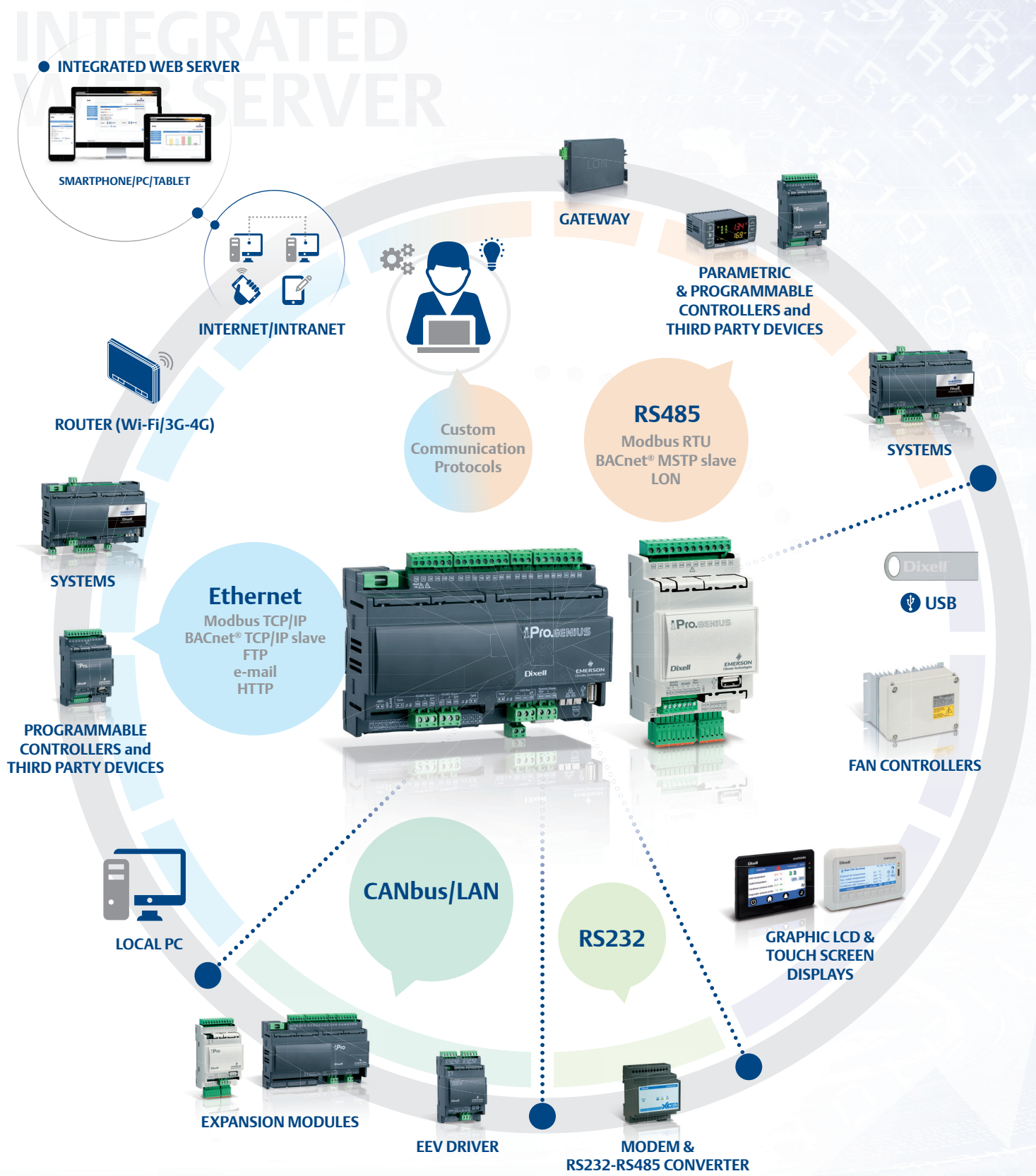


# High Connectivity



EmersonClimate.com/Dixell

**Dixell**  
 Dixell S.r.l. - 32010 Pieve d'Alpago (BL) ITALY - Z.I. Via dell'Industria, 27  
 Tel. +39.0437.9833 r.a. - Fax +39.0437.989313 - EmersonClimate.com/Dixell - dixell@emerson.com  
release 3.0 - 1589000760-GB  
 All trademarks are property of their respective owners.  
 Dixell reserves the right to alter its products without notice. All rights reserved.  
 Because environmental conditions are outside of Dixell's control, we cannot assume liability for results obtained nor any damages that may occur due to improper application.  
 Manuals and updates are available on our Web Site EmersonClimate.com/Dixell



EMERSON. CONSIDER IT SOLVED.

# iPro Short Form Guide



**Dixell**





## MAIN FEATURES

- LINUX Operative System
- IsaGRAPH® Software
- 200MHz CPU and 32bit Processor
- 32MB (for 4 DIN), 64MB (for 10 DIN) RAM Memory
- Format: - 4 DIN Rail (110x70x59,5mm)  
- 10 DIN Rail (110x175x59,5mm)
- Housing: Self Extinguishing ABS
- DIN Rail or Wall Mounting

## iPro.GENIUS

Programmable Controllers for  
GENERAL PURPOSE APPLICATIONS



## iPro.CHILL

Controllers for  
AIR CONDITIONING APPLICATIONS



## iPro.RACK

Controllers for  
COMPRESSOR RACK APPLICATIONS



## iPX

Expansion Modules for  
iPro SERIES



FEATURES	IPG108D	IPG108E	IPG115D	IPG208D	IPG208E	IPG215D	IPG315D	IPC108E	IPC115D	IPC315D	IPR208D	IPR215D	IPX106D	IPX115D	IPX125D	IPX206D	IPX215D	IPX225D	IPX306D	IPX315D
<b>Format</b>	4 DIN Rail	4 DIN Rail	10 DIN Rail	4 DIN Rail	4 DIN Rail	10 DIN Rail	10 DIN Rail	4 DIN Rail	10 DIN Rail	10 DIN Rail	4 DIN Rail	10 DIN Rail	4 DIN Rail	10 DIN Rail	10 DIN Rail	4 DIN Rail	10 DIN Rail	10 DIN Rail	4 DIN Rail	10 DIN Rail
<b>Display</b>		dual + icons			dual + icons			dual + icons												
<b>Power supply</b>	24Vac/dc from TF40D	24Vac/dc from TF40D	24Vac/dc from TF20D	24Vac/dc from TF40D	24Vac/dc from TF40D	24Vac/dc from TF20D	24Vac/dc from TF20D	24Vac/dc from TF40D	24Vac/dc from TF20D	24Vac/dc from TF20D	24Vac/dc from TF40D	24Vac/dc from TF20D	24Vac/dc from TF10D	24Vac/dc from TF20D	24Vac/dc from TF20D	24Vac/dc from TF10D	24Vac/dc from TF20D	24Vac/dc from TF20D	24Vac/dc from TF10D	24Vac/dc from TF20D
<b>Probe inputs</b>	6 config	6 config	10 config	6 config	6 config	10 config	10 config	6 config	10 config	10 config	6 config	10 config	7 config	10 config	10 config	7 config	10 config	10 config	7 config	10 config
<b>Optoinsulated digital inputs</b>	11 config	11 config	20 config	11 config	11 config	20 config	20 config	11 config	20 config	20 config	11 config	20 config	3 config	20 config	20 config	3 config	20 config	20 config	3 config	20 config
<b>Configurable relay outputs</b>	8x5A	8x5A	12x5A + 3x8A	8x5A	8x5A	15x5A	15x5A 10x5A + 5xSSR opt	8x5A	12x5A + 3x8A 10x5A + 5xSSR opt	15x5A 10x5A + 5xSSR opt	8x5A	15x5A	6x5A	12x5A + 3x8A	18x5A + 3x8A + 4xSSR	5x5A + 1x8A	15x5A	21x5A + 4xSSR	5x5A + 1x8A	15x5A
<b>Other outputs</b>																				
<b>PWM</b>																				
0÷10V or 4÷20mA	4 config	4 config	2 config	4 config	4 config	2 config	2 config	4 config	2 config	2 config	4 config	2 config		2 config	2 config		2 config	2 config		2 config
0÷10V			4			4	4		4	4		4	3	4	4	3	4	4	3	4
RS485	slave	slave	master + slave	slave	slave	master + slave	master + slave	slave	master + slave	master + slave	slave	master + slave								
USB	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres								
External modem			GSM, analogue opt			GSM, analogue opt	GSM, analogue opt		GSM, analogue opt	GSM, analogue opt										
LAN/RS485 master (for iPX only LAN)	pres	pres		pres	pres			pres			pres		pres	pres	pres	pres	pres	pres	pres	pres
CANbus			pres			pres	pres		pres	pres		pres								
Ethernet	via USB-ETH-CONV	via USB-ETH-CONV	pres	via USB-ETH-CONV	via USB-ETH-CONV	pres	pres	via USB-ETH-CONV	pres	pres	via USB-ETH-CONV	pres								
<b>Other</b>																				
Remote display output	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres								
Internal modem			analogue opt			analogue opt			analogue opt											
Real time clock	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres								
Flash memory	32MB	32MB	128MB	32MB	32MB	128MB	128MB	32MB	128MB	128MB	32MB	128MB								
Dip switch for address set													pres	pres	pres	pres	pres	pres	pres	pres
Connections	disconnectable + screw	disconnectable + screw	disconnectable	bayonet + screw	bayonet + screw	bayonet + screw	disconnectable + screw	disconnectable + screw	disconnectable	disconnectable + screw	bayonet + screw	bayonet + screw	disconnectable	disconnectable	disconnectable	bayonet + screw	bayonet + screw	bayonet + screw	disconnectable + screw	disconnectable + screw
Connection kit	DWS30-KIT, IP-FC108	DWS30-KIT, IP-FC108	DWB30-KIT	IP-FC208	IP-FC208	IP-FC215CP	DWB315, IP-FC315	DWS30-KIT, IP-FC108	DWS30-KIT	DWB315, IP-FC315	IP-FC208	IP-FC215CP	DWEX60-30KIT	DWX115-30KIT	DWEX70-30KIT	IP-FCX60	IP-FCX215	IP-FCX70	DWEX306-30KIT	DWX315-30KIT, IP-FCX315
BACnet® protocol	opt	opt	opt	opt	opt	opt	opt	opt	opt	opt	opt	opt								

## MAIN ACCESSORIES

### GRAPHIC DISPLAYS



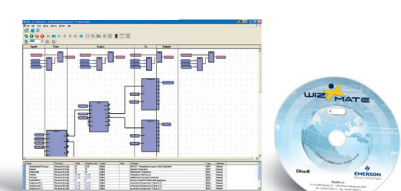
- VGI & V2I**
- LCD with 240x96pixels
  - Power supply: from controller
  - On board temperature/humidity probe (optional)
  - Visokey output
  - Buzzer (optional)
  - ASCII or UNICODE
  - Wall or panel mounting

### TOUCH SCREEN DISPLAY



- VTIPG**
- Programmable TFT touch screen displays
  - 4.3" display - 480x272 pixels
  - 256 (8 bit) colors
  - Power supply: 12-24Vac/dc
  - On board temperature/humidity probe (optional)
  - LAN port
  - USB output
  - Buzzer
  - Wall or panel mounting

### DEVELOPMENT TOOL



- IPRO-TOOL**
- It is a complete and easy to use tool that allows the user to work independently to create applications for iPro controllers, taking advantage of all the programmable series potential. The package includes manuals and the IsaGRAF®, WIZMATE and VISOPROG (optional) software

### ADAPTER



- USB-ETH-CONV**
- USB-Ethernet adapter for iPro controllers in 4 DIN format

### EEV DRIVER



- XEV20D**
- Driver for 1 or 2 unipolar and bipolar stepper electronic expansion valves designed for iProGENIUS and iProCHILL
- Format: 4 DIN Rail
  - Power supply: 24 Vac/dc (from TF20D/TF40D)
  - Probe inputs: 4x0÷5V/4÷20mA/NTC/PTC/Pt1000 config
  - LAN output
  - CANbus output
  - IP-FC500 connection kit
  - DWXEV30 connection kit

### CONNECTIVITY MODULE



- IPL500D**
- Programmable connectivity module designed to collect, store, process and manage data
- Format: 4 DIN Rail
  - Power supply: 24Vac/dc (from TF20D)
  - RS485 slave output
  - USB output
  - LAN/RS485 master output
  - CANbus output
  - Ethernet output
  - Remote keyboard: VGIPG/V2IPG
  - Internal modem: GPRS (optional)
  - Real time clock
  - Flash memory: 128MB
  - IP-FC500 connection kit
  - BACnet® protocol (optional)

### PROBES AND ACCESSORIES



A complete family of probes and accessories ensures for every need the right solution.