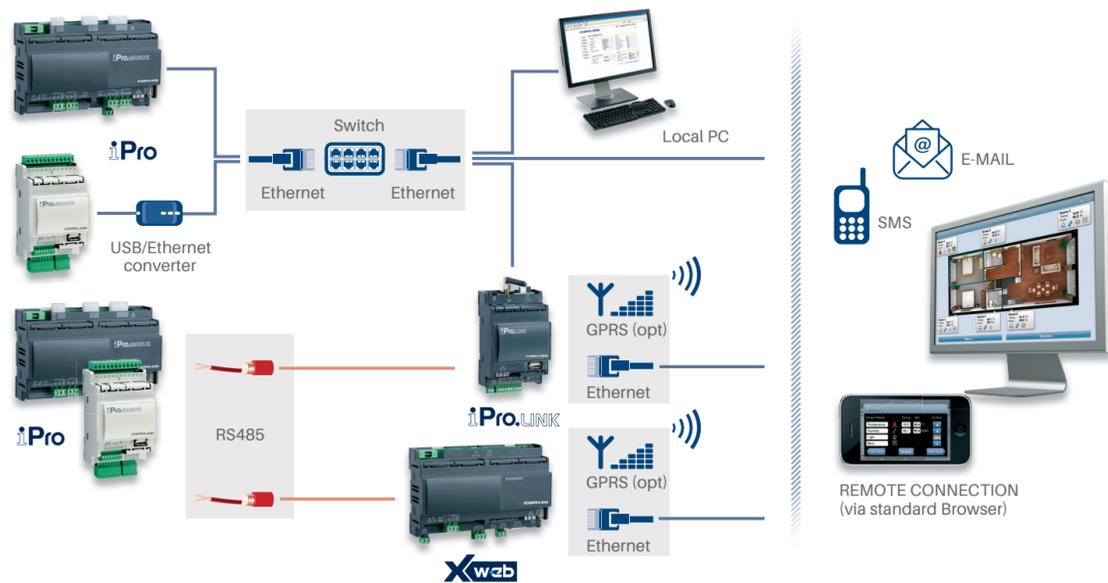
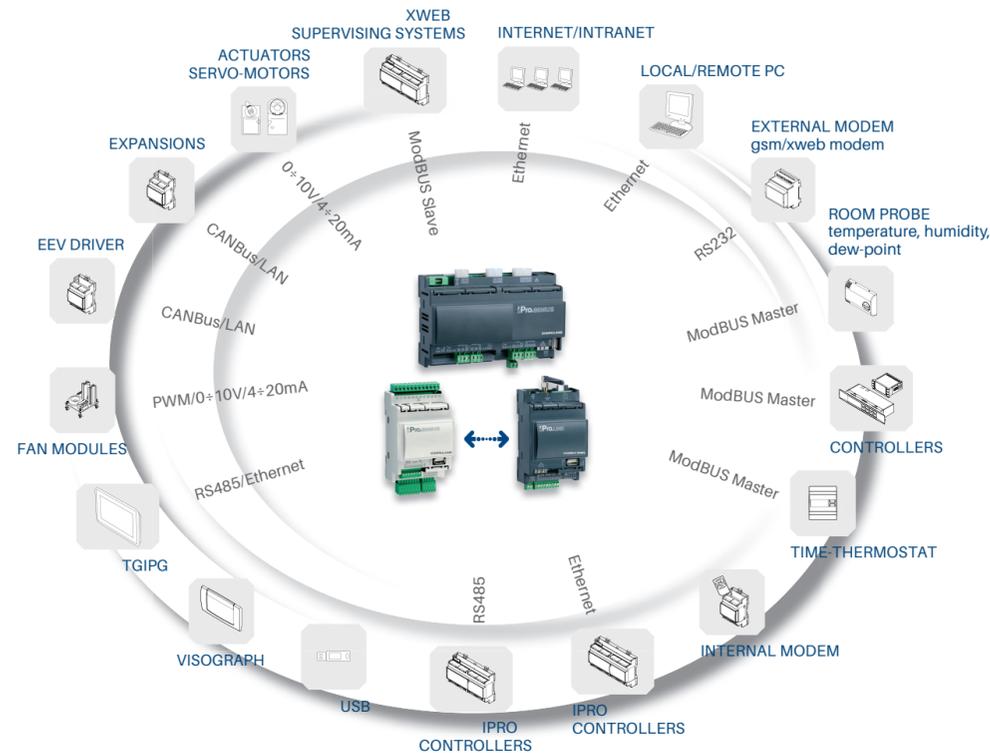


High connectivity



iPro Short Form Guide



About Copeland

A global provider of sustainable climate solutions, combines category-leading brands in compression, controls, software and monitoring for heating, cooling and refrigeration. With best-in-class engineering and design and the broadest portfolio of modulated solutions, we're not just setting the standard for compressor leadership; we're pioneering its evolution. Combining our technology with our smart energy management solutions, we can regulate, track and optimize conditions to help protect temperature-sensitive goods over land and sea, while delivering comfort in any space. Through energy-efficient products, regulation-ready solutions and expertise, we're revolutionizing the next generation of climate technology for the better.

To learn more, visit copeland.com
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COPELAND

COPELAND

Main features

- LINUX Operative System
- ISaGRAPH® Software
- 200MHz CPU and 32bit Processor
- 32MB (for 4 DIN), 64MB (for 10 DIN) RAM Memory
- Format 14 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	IPG215D	IPG215F	IPC108D	IPC108E	IPC115D	IPR208D	IPR215D	IPX106D	IPX115D	IPX125D	IPX206D	IPX215D	IPX225D	IPX306D
Format	4 DIN Rail	4 DIN Rail	10 DIN Rail	4 DIN Rail	10 DIN Rail	10 DIN Rail	4 DIN Rail	4 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
Display		dual + icons						dual + icons										
Front leds						n° 5												
Power supply	24Vac/dc from TF40D	24Vac/dc from TF40D	24Vac/dc from TF20D	24Vac/dc from TF40D	24Vac/dc from TF20D	24Vac/dc from TF20D	24Vac/dc from TF40D	24Vac/dc from TF40D	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
Probe inputs																		
0÷1V, 0÷5V, 0÷10V, 0÷20mA, 4÷20mA, NTC, PTC, DI	6 config	6 config	10 config	6 config	10 config	10 config	6 config	6 config	10 config	6 config	10 config	7 config	10 config	10 config	7 config	10 config	10 config	7 config
Digital inputs																		
Optoisolated	11 config	11 config	20 config	11 config	20 config	20 config	11 config	11 config	20 config	11 config	20 config	3 config	20 config	20 config	3 config	20 config	20 config	3 config
Relay outputs																		
Configurable	8x5A	8x5A	12x5A + 3x8A	8x5A	15x5A	15x5A	8x5A	8x5A	"12x5A + 3x8A 10x5A + 5xSSR opt"	8x5A	15x5A	6x5A	12x5A + 3x8A	18x5A + 3x8A + 4xSSR	5x5A + 1x8A	15x5A	21x5A + 4xSSR	5x5A + 1x8A
Other outputs																		
PWM			2 config						2 config									
0÷10V or 4÷20mA	4 config	4 config		4 config	2 config	2 config	4 config	4 config		4 config	2 config		2 config	2 config			2 config	2 config
0÷10V			4		4	4			4		4	3	4	4	3	4	4	3
RS485	slave	slave	master + slave	slave	master + slave	master + slave	slave	slave	master + slave	slave	master + slave							
USB	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									
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							
Ethernet	via USB-ETH-CONV	via USB-ETH-CONV	opt	via USB-ETH-CONV	opt	opt	via USB-ETH-CONV	via USB-ETH-CONV	opt	via USB-ETH-CONV	opt							
Other																		
"Remote keyboard Internal modem"	1xVGIPG	1xVGIPG	"2xVGIPG analogue opt"	1xVGIPG	"2xVGIPG analogue opt"	"2xVGIPG analogue opt"	1xVGIPC	1xVGIPC	"2xVGIPC analogue opt"	1xVGIPC	2xVGIPG							
Real time clock	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres	pres							
"Flash memory Dip switch for address set"	32MB	32MB	128MB	32MB	128MB	128MB	32MB	32MB	128MB	32MB	128MB	pres	pres	pres	pres	pres	pres	pres
Connections	disconnectable + screw	disconnectable + screw	disconnectable	bayonet + screw	bayonet + screw	bayonet + screw	disconnectable + screw	disconnectable + screw	disconnectable	bayonet + screw	bayonet + screw	disconnectable	disconnectable	disconnectable	bayonet + screw	bayonet + screw	bayonet + screw	disconnectable + screw
Connection kit	DWS30-KIT, IP-FC108	DWS30-KIT, IP-FC108	DWB30-KIT	IP-FC208	IP-FC215CP	IP-FC215CP	DWS30-KIT, IP-FC108	DWS30-KIT, IP-FC108	DWS30-KIT	IP-FC208	IP-FC215CP	DWEX60-30KIT	DWX115-30KIT	DWEX70-30KIT	IP-FC60	IP-FC60	IP-FC60	DWEX306-30KIT
"Expansion modules BACnet protocol"	"iPX115D, iPX125D, iPX306D opt"	"iPX115D, iPX125D, iPX306D opt"	"iPX106D, iPX115D, iPX125D opt"	"iPX206D, iPX215D, iPX225D opt"	"iPX215D, iPX225D opt"	"iPX215D, iPX225D opt"	"iPX115D, iPX125D, iPX306D opt"	"iPX115D, iPX125D, iPX306D opt"	"iPX106D, iPX115D, iPX125D opt"	opt	opt							

Main accessories

Graphic displays



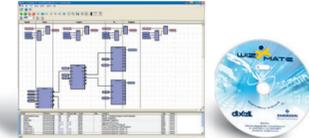
- VGIPG:** for iProGENIUS, iProRACK and IPL500D
VGIPC: for iProCHILL
- LCD with 240x96pixels
 - Format: 82x156mm
 - Power supply: from controller
 - Visokey output
 - Buzzer (optional)
 - ASCII or UNICODE
 - Wall or panel mounting

Touch screen displays



- TGIPG**
Programmable TFT touch screen displays available in 3 different formats:
- 4.3": 16.9 - 480x272pixels - 104x145mm
 - 7": 16.9 - 800x480pixels - 143x204mm
 - 10.4": 4.3 - 640x480pixels - 228x280mm
- Power supply: 24Vdc
 - Ethernet output
 - USB output
 - 2xRS485/232/422 serial outputs
 - Buzzer (beeps when pressed)
 - Real time clock
 - 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
- Dip switch address selection
- 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
- Internal modem: GPRS (optional)
- Real time clock
- Flash memory: 128MB
- IP-FC500 connection kit
- BACnet protocol (optional)

Probes and accessories

