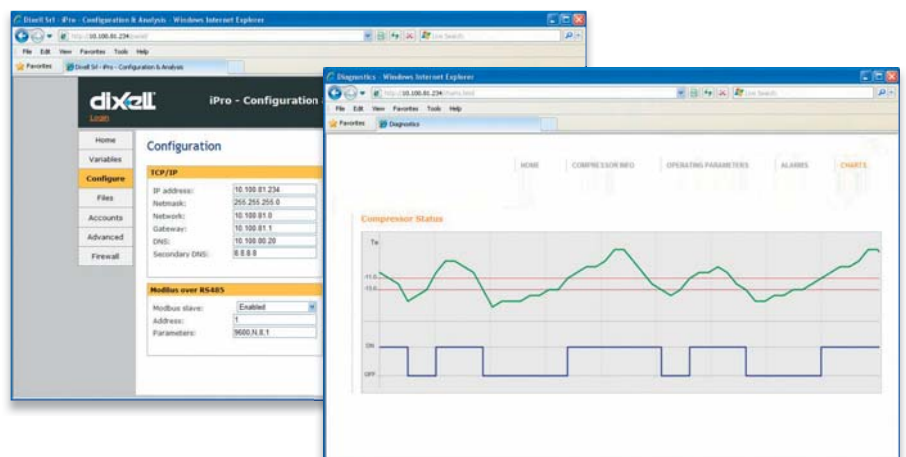




iProGENIUS SERIES: GENERAL APPLICATIONS HIGH CONNECTIVITY

iProGENIUS is the Dixell family of programmable controllers that offers optimal solutions for all HVAC/R needs. They are suited for all applications in the PLC world including shopping centers, hospitals, airports, boatyards, energy management plants, and more. These controllers provide a high level of technology for ease of external connectivity and programmability providing simple answers for the user's needs, while offering local or remote monitoring control (accomplished with the powerful **iProLINK** connectivity module). An intuitive and useful HMI is also offered through the **VISOGRAPH** graphic display and the touch screen **TGIPG** display, while the expandability provided by the **IPX** modules allows use of these controllers with the most complex machinery.

- Powerful platform based on LINUX operative system on ARM9 (200MHz/32bit) microprocessor
- Internal Web Server with standard and customized Web Site
- Ethernet for connection to an intranet-internet network and to other controllers for a distributed application management
- USB output that allows the download of parameters, data/alarm log and the applications and parameters upload
- RS485 serial outputs for the connection to XWEB supervising and controlling systems or to applications developed by third Party Systems
- BACnet® communications allows the system to have easy and immediate integration with different manufactures ensuring complete interoperability
- Connection to the expansion modules to increase system capacity
- Connection to the driver for the management and control of electronic expansion valves



MAIN FEATURES

- CPU: 200MHz
- Processor 32bit
- RAM memory: 32MB (4 DIN Rail)
64MB (10 DIN Rail)
- Data storing on Flash memory: 32MB (4 DIN Rail)
128MB (10 DIN Rail, IPL500D)
- Power absorption: 40VA max (IPG on 4 DIN Rail)
20VA max (IPG and IPX on 10 DIN Rail, IPL500D)
10VA max (IPX on 4 DIN Rail)

HOW to ORDER

IPRO-TOOL

I	P	R	O	-	T	O	O	L	-	O	O	O	O	E
---	---	---	---	---	---	---	---	---	---	---	---	---	---	---

E

Visoprogram

0 = No
1 = 2 licences

IPG108D/E – IPG208D/E

I	P	G		0	8		-	1	0	C	D	0
---	---	---	--	---	---	--	---	---	---	---	---	---

IPG115D – IPG215D/F

I	P	G		1	5		-	A	B	C	0	0
---	---	---	--	---	---	--	---	---	---	---	---	---

A

B

C

D

Power supply	Modem	Ethernet, protocols	Serial port
1 = 24Vac/dc UL versions 2 = 24Vac 3 = 24Vdc (for IPG215)	0 = No 1 = Internal modem (not for UL) 2 = External modem 3 = External + internal modem (not for UL)	0 = No 1 = Yes (for IPG115D, IPG215D and IPG215F) 2 = BACnet	1 = LAN 2 = RS485 master

IPX106D

I	P	X	1	0	6	D		-	1	0	0	0	0
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IPX206D – IPX306D

I	P	X		0	6	D		-	1	0	0	0	E
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IPX115D – IPX215D

I	P	X		1	5	D		-	1	0	0	0	0
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IPX125D – IPX225D

I	P	X		2	5	D		-	1	0	0	0	2
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E

N° of SSR relay

0 = 0
2 = 1

IPL500D

I	P	L	5	0	0	D		-	1	B	C	D	0
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B

C

D

Modem	Ethernet, protocols	Serial port
0 = No 1 = Internal modem GPRS	1 = Yes 2 = BACnet	1 = LAN 2 = RS485 master

VGIPG

V	G	I	P	G		-	A	B	0	D	0
---	---	---	---	---	--	---	---	---	---	---	---

A

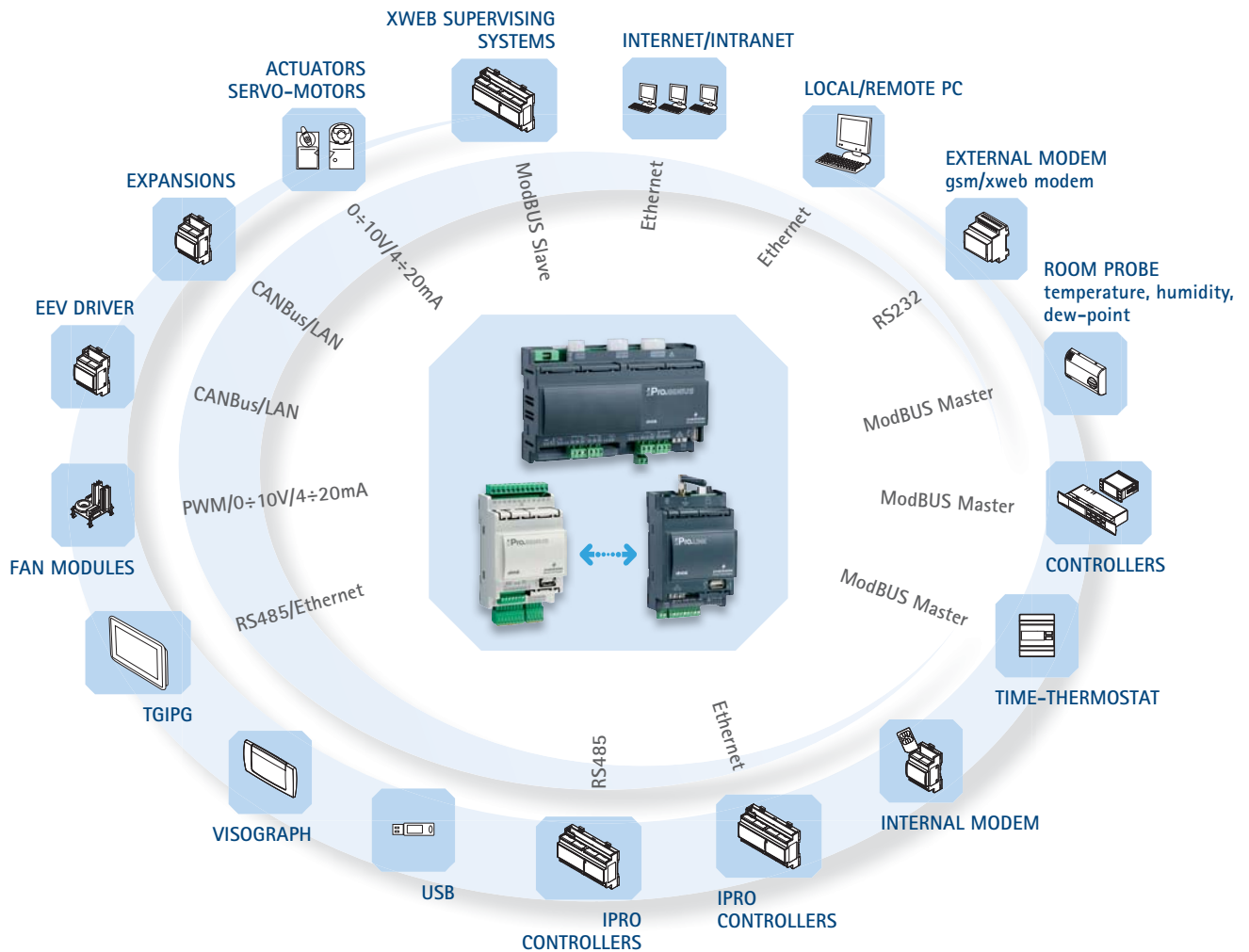
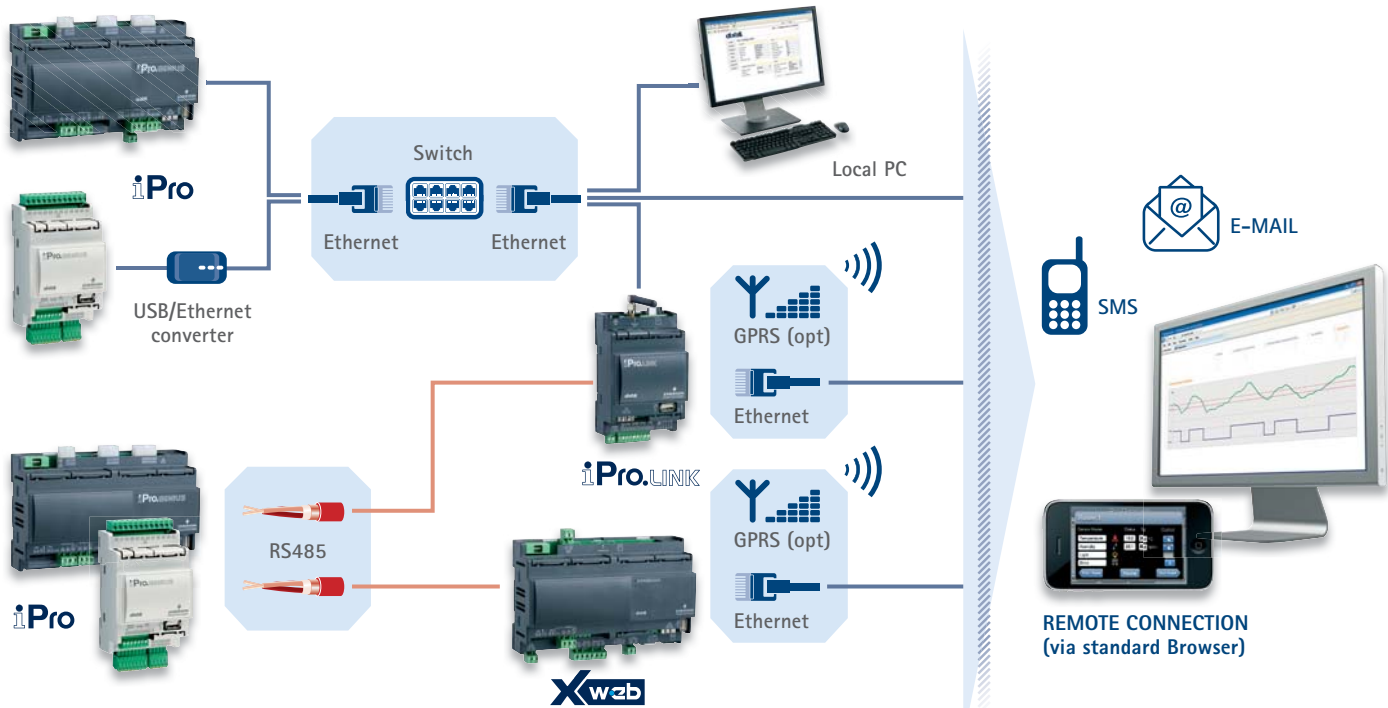
B

D

Buzzer	Kind of mounting	Coding
0 = No 1 = Yes	P = Panel W = Wall	0 = Ascii 1 = Unicode

CONNECTIVITY

The high degree of connectivity that marks iProGENIUS controllers, ensures a complete local and remote unit/plant management.



- 1 ISaGRAF® + WIZMATE
- 2 ISaGRAF® + WIZMATE + VISOPROG

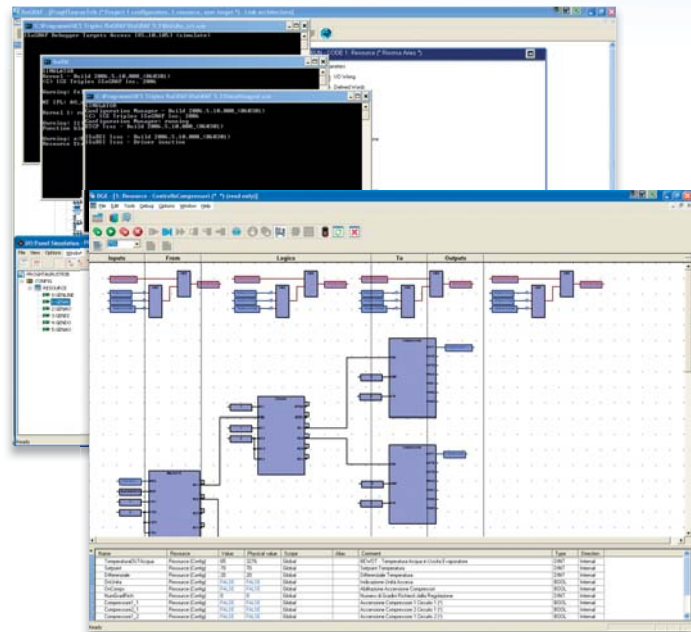
iPro-TOOL is a complete and easy to use tool that allows the user to work independently to create programs for iPro controllers, taking advantage of all the programmable series potential. The package includes manuals and the **ISaGRAF®**, **WIZMATE** and **VISOPROG** (optional) software.

The user can choose among 2 options listed above.

Note: Wizmate can be used with iProRACK applications.

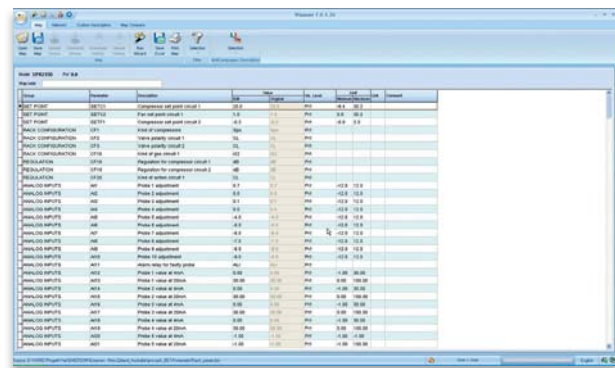
ISaGRAF®

ISaGRAF® is the standard, international and complete development environment selected by Dixell to create programs that will be uploaded into the iPro series. Also ideal for small applications, it can manage several I/O points, allows users to create control systems, and is supported all over the world. ISaGRAF® offers a combination of a highly portable, robust management engines (Virtual Machine) and an intuitive application development environment (Workbench). ISaGRAF® integrates the best system for simulation and remote debugging, supports the Flow Chart (FC: Flow Chart) and 5 different programming languages coded according to IEC61131 (SFC: Sequential Function Chart; ST: Structured Text; FBD: Function Block Diagram; IL: Instruction List; LD: Ladder Diagram).



WIZMATE

WIZMATE is versatile software that has a fast and easy programming mode for iPro controllers (ideal for versions with the application included like the iProRACK).



VISOPROG

The VISOPROG is a tool that allows users to create the VISOGRAPH keyboard graphic interfaces. The program, installed on a PC, is connected to ISaGRAF® project and has a basic interface that users can easily customize depending on the requirements.

