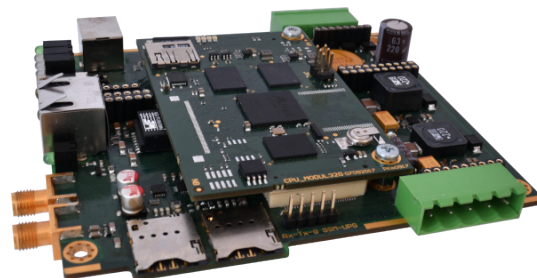


# Automation systems

## Short Catalog Sheet METEL.EU

### Base boards

- Including G version CPU module
- Internal FLASH memory
- CORTEX A5 ARM
- Embedded Linux OS
- Power input 10-60 VDC
- Operating temperature from  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$



Individual PCBs cannot be ordered; they are provided solely for the purpose of listing all available interfaces, communication protocols, inputs and outputs.

The base boards are designed for installation in the IPLOG GAMA PLC in the BOX and DIN versions.

### Available models

Order name	Order code
IPLOG-G1-PCB	0500-0000
IPLOG-G2-PCB	0600-0000
IPLOG-G3-PCB	0700-0000
IPLOG-G2E-PCB	0400-0000
IPLOG-G4-PCB	0800-0000
IPLOG-G5-PCB	0900-0000
IPLOG-G6-PCB	0300-0000
IPLOG-G7-PCB	0200-000

## Technical parameters

### CPU MODULE

Processor	ARM Cortex-A5 Processor with ARMv7-A Thumb-2 Instruction Set
Frequency	536 MHz
Linux version	4.4.26-linux4sam_5.5
RAM	512 MiB
NAND	256 MiB (SLC, Micron)

### FAST ETHERNET

Count	2 / 1 (G1, G4 / G2E, G3, G5, G6, G7)
Supported formats	10BaseT, 100BaseTx
Connector	RJ45

### 4G LTE modem Cat.4

Services	Data, SMS
Only for the version	G3
4G-LTE frequency bands	800 / 1800 / 2600 MHz
Connector	2x SMA
2x SIM Slot	MicroSIM

### USB-A

Usage	External USB drive or Wifi dongle connection
Count	1
Standard	USB 2.0
IPLOG Mode	USB host
Function	External storage
Surge protector	Transil
Output current	Max. 500 mA

### USB-B

Usage	Local management
Count	1
Standard	USB 2.0
IPLOG Mode	USB device
Function	Local management



### USB-B

Surge protector	Transil
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### IO SLOT

Count	1 / 0 (G1, G2E, G3 / G4, G5)
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### IF SLOT

Count	1 / 0 (G1, G2E, G3 , G4 / G5, G6, G7)
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### RS485

0x RS485	G1, G2E, G3
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1x RS485	G4
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2x RS485	G5, G6, G7
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### POWER

Input voltage range	10 - 60 VDC
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Power consumption G1, G2E, G4, G5,G6, G7	3 W
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Power consumption G3	6 W
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### ENVIRONMENT

Operating temperature	-40...+70 °C
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Storage temperature	-40...+70 °C
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Humidity	Max. 95 %
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## Standards and protocols

Standard	Note
EN 61131-3	FBD, IL, ST, LD

## EMC and safety

Standard	Level	Note
EN 61000-6-2		Immunity - industrial environment
IEEE 1613		Environmental and Testing Requirements   Electric Power Substations
EN 50130-4 ed. 2		Alarm systems - Part 4: Electromagnetic compatibility
EN 61131-2		Programmable control units
EN 55035		EMC of multimedia devices - immunity requirements
EN 55032		EMC of multimedia devices - emission requirements
EN 62368-1		Safety requirements of Information technology equipment
EN IEC 63000		The Assessment Of Electrical And Electronic Products With Respect To The ROHS

## Notes

- The manufacturer reserves the right to change technical parameters without prior notice.

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