

Differences between ICP2(G3) and ICP2-ISO(G3)/ICP2-LAN(G3)

1 Comparison

The table below highlights the main differences and key compatibility-related items; all other parameters are assumed to be identical.

##	Parameter	ICP2(G3) 	ICP2-ISO(G3) 	ICP2-LAN(G3) 
	General			
1.	Start of manufacturing	Year 2016	Year 2024	
2.	Size (w/o wings and connectors)	175x85x35mm	78x60x28mm (smaller)	78x60x31mm (smaller)
3.	Mechanical	Plastic enclosure	Metal, closed frame, DIN rail and wall mountable	
4.	Galvanic isolation for all interfaces	-	Yes	
5.	GANG chain connection	-	Yes, till 16 channels	
6.	Report as ICP2 for plug-and-play replacement in customer system	Yes (native)	Yes	
	Communication Interface			
7.	USB interface	Yes	Yes	No
8.	LAN interface	-	-	Yes
9.	RS-232 interface/connector	D-type 9	Header-16 (2.54mm)	Header-16 (2.00mm)
	Wired Interface			
10.	Non -isolated GO/PASS/FAIL on D-type 15 (for compatibility)	Yes	Yes	
11.	Isolated GO/PASS/FAIL	-	Yes	
12.	Isolated environment selection	-	Yes	
	USB			
13.	Power from USB only	Yes	Yes	Not applicable
14.	USB converter/driver	Silicon Labs CP210x	FTDI	Not applicable

2 Revision History

- Jul-2025: minor corrections
- Feb-2024: original document

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