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OmniBus II Ordering Information

OmniBus II Part Numbers

The part number for an OmniBus II product is a combination of the platform number, module number(s), CoPilot code, and options. This results in hundreds of possible part number combinations. Contact us for assistance in determining the best OmniBus II order number to fit your needs. Each platform core can accept one module. A core without a module (000) may be used for future expansion. OmniBus II part numbers have the following format:

XXX-YYY-YYY-YYY-YYY

where XXX is the Platform Number; YYY is a Module Number (2-core models will have 2 modules; 4-core models will have 4 modules). NOTE: OmniBus II and original OmniBus series modules are incompatible and cannot be interchanged between systems.

Example Part Numbers

- 264-544-544-442-451
  4-core OmniBusBox II with 4 multi-function MIL-STD-1553 channels (two 2-channel modules), 16 programmable R/T ARINC 429 channels (1 module), and 4R/4T ARINC 717 channels (1 module)
- 262-544-442
  2-core OmniBusBox II with a 2 multi-function MIL-STD-1553 channels (1 module) and 16 programmable R/T ARINC 429 channels (1 module)
- 212-458-822
  OmniBus II PCIe card with 8R/8T ARINC 429 channels with parametric control (1 module) and 2R/2T ARINC 708 channels with parametric control (1 module)
- 222-441-000
  OmniBus II PXIe card with 8 programmable R/T ARINC 429 channels (1 module) and an unpopulated core

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Ordering Information

XXX :: Platform Number

#	Description
212	OmniBus II PCIe with 2 cores
222	OmniBus II PXIe with 2 cores
262	OmniBusBox II with 2 cores
264	OmniBusBox II with 4 cores

YYY :: Module Numbers

Protocol	#	Description
MIL-STD-1553	510	1 single-function channel
	540	1 multi-function channel
	550	1 multi-function channel with parametric control
	511	2 single-function channels
	544	2 multi-function channels
	555	2 multi-function channels with parametric control
ARINC 429 and ARINC 717	441	8 configurable R/T ARINC 429 channels
	442	16 configurable R/T ARINC 429 channels
	451	4R/4T ARINC 717 channels
	454	4R/4T ARINC 429 channels with advanced parametric control
	455*	4R/4T ARINC 429 channels with advanced parametric control and 4R/4T ARINC 717 channels
	456	4R/4T ARINC 429 with advanced parametric control and 4 Serial UARTs
	458	8R/8T ARINC 429 channels with advanced parametric control
ARINC 708	810	1R/1T ARINC 708 channels
	811	2R/2T ARINC 708 channels
	820	1R/1T ARINC 708 channels with parametric control
	822	2R/2T ARINC 708 channels with parametric control
Serial	452	4 Serial UARTs
	456	4R/4T ARINC 429 with advanced parametric control and 4 Serial UARTs
Discrete I/O	832	32 Discrete I/O lines

Protocol	#	Description
Future I/O Expansion	000	Core is unpopulated (applies to models with 2 or 4 cores)

Notes:
nRnT = number of Receive/Transmit channels
* On module #455, ARINC 429 and bipolar ARINC 717 channels share the same receivers.

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