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Find the *Astronics / Ballard Technology OmniBus* at our website: *Click HERE*

SECTION NAVIGATION

Omnibus Ordering Information

Omnibus Part Numbers

The part number for an original OmniBus 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 Astronics Ballard Technology sales for assistance in determining the best OmniBus order number to fit your needs. Each platform core can accept one module. A core without a module may be used for future expansion.

NOTE: OmniBus and OmniBus II modules are incompatible and cannot be interchanged between systems.

Example Part Numbers

- 162-544-423
  OmniBusBox with a two channel 1553 (level C) and a 8R/8T ARINC 429 module
- 112-434-822
  OmniBus PCI board with an 4R/4T parametric ARINC 429 and a 2R/2T parametric ARINC 708 module
- 122-434-000
  OmniBus cPCI board with an 4R/4T parametric ARINC 429 and an unpopulated core
- 154-544-544-822-000
  OmniBus 4-core VME board with 2 two channel 1553 (level C), a 2R/2T parametric ARINC 708 module and an unpopulated core

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Omnibus Platform and Module Charts



XXX :: Platform Number

#	Description
111	PCI w/ 1 core
112	PCI w/ 2 cores
121	3U cPCI w/ 1 core
122	3U cPCI w/ 2 cores
141	PMC w/ 1 fixed core (MIL-STD-1553 only)
152	6U VME w/ 2 cores and PMC site
154	6U VME w/ 4 cores (no PMC site)
162	OmniBusBox w/ 2 cores

COPILOT CODE

To include CoPilot add "CP-" before the OmniBus order number.

Example: **CP-162-544-423**

OPTIONS

Contact Ballard sales for information on available OmniBus options.

YYY :: MIL-STD-1553 Module Numbers

#	CH0 Level	CH1 Level
510	A	—
520	B4	—
530	B32	—
540	C	—
550	D	—
511	A	A
522	B4	B4
533	B32	B32
544	C	C
555	D	D
551	D	A

Other channel level combinations available. Contact sales for more information.

YYY :: ARINC 429 Module Numbers

#	Description
421	16R/0T ARINC 429
422	12R/4T ARINC 429
423	8R/8T ARINC 429
424	4R/12T ARINC 429
425	0R/16T ARINC 429
426	8R/0T ARINC 429
427	4R/4T ARINC 429
428	0R/8T ARINC 429
434	4R/4T parametric ARINC 429
435	4R/4T parametric with 4R/4T ARINC 717*
436	4R/4T ARINC 429 with 4 Serial UARTs
437	4R/4T parametric ARINC 429 with 4R/4T CSDB

nR = number of receive channels
nT = number of transmit channels
* On module #435, ARINC 429 and bipolar ARINC 717 channels share the same receivers.

YYY :: ARINC 708 Module Numbers

#	Description
810	ARINC 708 1R/1T
811	ARINC 708 2R/2T
820	ARINC 708 1R/1T with parametrics
822	ARINC 708 2R/2T with parametrics

nR = number of receive channels
nT = number of transmit channels

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YYY :: ARINC 717 Module Numbers

#	Description
431	4R/4T ARINC 717
435*	4R/4T ARINC 717 with 4R/4T parametric 429*

nR = number of receive channels
nT = number of transmit channels
* On module P/N 435, ARINC 429 and bipolar ARINC 717 channels share the same receivers.

YYY :: Serial Module Numbers

#	Description
432	4 Serial UARTs
436	4 Serial UARTs with 4R/4T ARINC 429

nR = number of receive channels
nT = number of transmit channels

YYY :: CSDB Module Numbers

#	Description
433	4R/4T CSDB
437	4R/4T CSDB with 4R/4T parametric ARINC 429

nR = number of receive channels
nT = number of transmit channels

YYY :: Discrete I/O Module Numbers

#	Description
832	32 Discrete I/O lines

YYY :: Future I/O Expansion

#	Description
000	Core is unpopulated

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