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About Rear I/O Modules for Cobalt® Cards

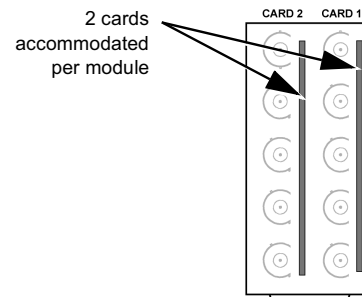
Our wide range of Rear I/O Module choices provide input/output combinations that most closely suit your needs, without wasting frame space for connections you may not need. Described below is a sample of various types of Rear I/O Modules, along with application examples.

Split Rear I/O Module

Split Rear I/O Modules accommodate 2 cards per module (as opposed to a single card per module). The modules provide 5 connections per card and allow the full 20-card frame density when used across the frame. Split rear modules are identified by "S" in the part number (for example, "RM20-9083-AS").

Note: Split rear modules are not available for all cards.

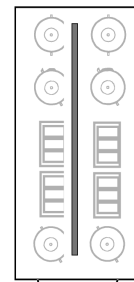
Frame	Frame Space Used	Number of Cards Accommodated
8310 (10-Slot Frame)	Not available for 8310 frame	
8321 (20-Slot Frame)	1 module width (2 card slots; 10 modules max. per frame)	2 cards per Rear I/O Module



Standard-Width Rear I/O Module

Standard-Width Rear Modules can offer a variety of connection types – all on the same module – including BNC, 3-wire removable Phoenix, and other connector types.

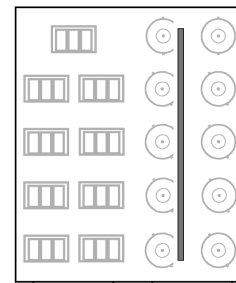
Frame	Frame Space Used	Number of Cards Accommodated
8310 (10-Slot Frame)	1 module width (1 card slot; 10 modules max. per frame)	1 card per Rear I/O Module
8321 (20-Slot Frame)	1 Module width (2 card slots; 10 modules max. per frame)	1 card per Rear I/O Module



Double-Width Rear I/O Module

Double-Width Rear Modules offer a very high degree of signal I/O count and types accommodated, and are especially suited for environments where many types of signals require support. Available connections include BNC, 3-wire removable Phoenix, and other connector types.

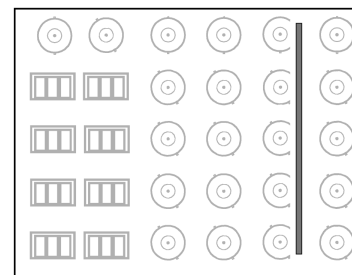
Frame	Frame Space Used	Number of Cards Accommodated
8310 (10-Slot Frame)	2 module width (2 card slots; 5 modules max. per frame)	1 card per Rear I/O Module
8321 (20-Slot Frame)	2 module width (4 card slots; 5 modules max. per frame)	1 card per Rear I/O Module



Triple-Width Rear I/O Module

Triple-Width Rear Modules are especially suited where large numbers of discrete signals need to be accommodated (such as multiple-channel baseband analog/AES audio and analog video). Available connections include BNC, 3-wire removable Phoenix, and other connector types.

Frame	Frame Space Used	Number of Cards Accommodated
8310 (10-Slot Frame)	3 module width (3 card slots; 3 modules max. per frame)	1 card per Rear I/O Module
8321 (20-Slot Frame)	3 module width (6 card slots; 3 modules max. per frame)	1 card per Rear I/O Module



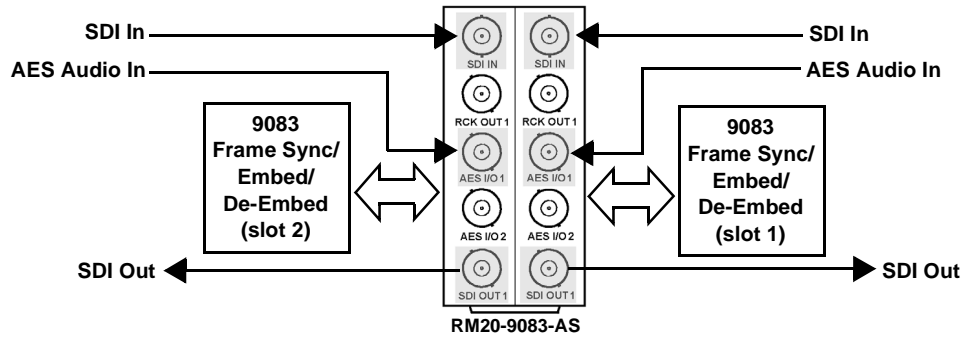
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Choosing a Rear I/O Module to Suit Your Environment and Requirements

The examples here show how to maximize your card's capabilities for your environment and requirements by selecting the right module from the wide range of available Rear I/O Module sizes and types. (Note that these examples represent a small sample of available modules.)

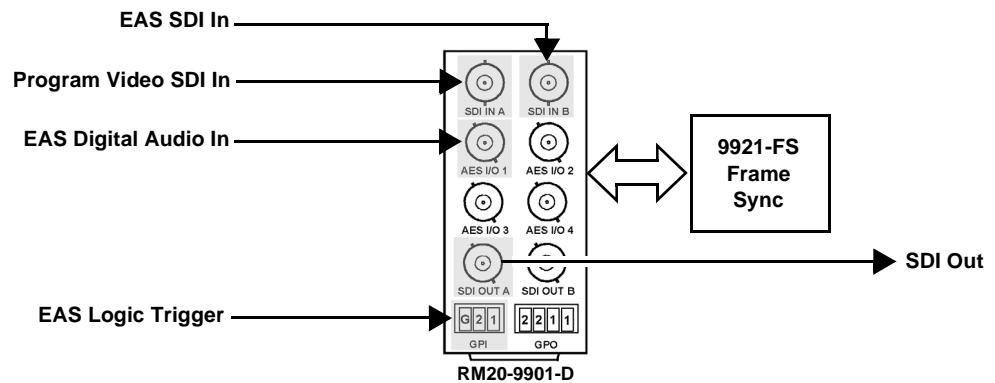
Split Rear I/O Modules provide maximum card density for environments using coaxial connections for SDI and digital audio.

In this example, the right-half of the split module serves card slot 1, and the left-half serves card slot 2.



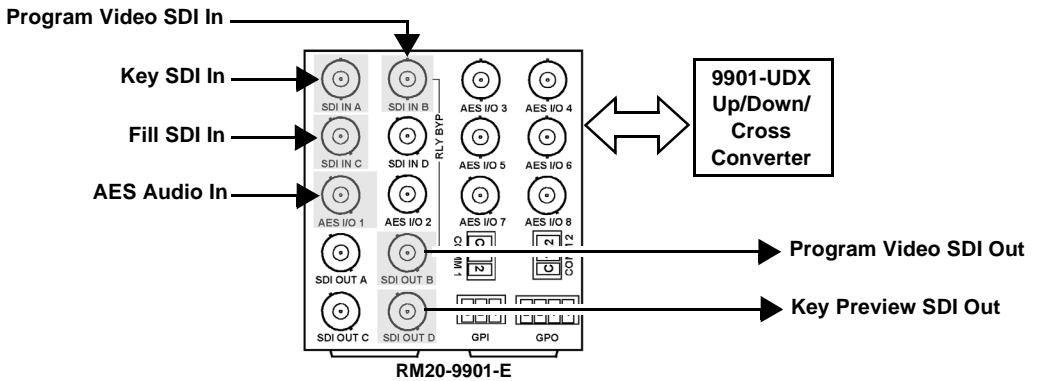
Standard-Width Rear I/O Modules provide a combination of signal types all on one module.

In this example, a GPI-activated Emergency Alert System integration is accommodated using a single space-efficient module.



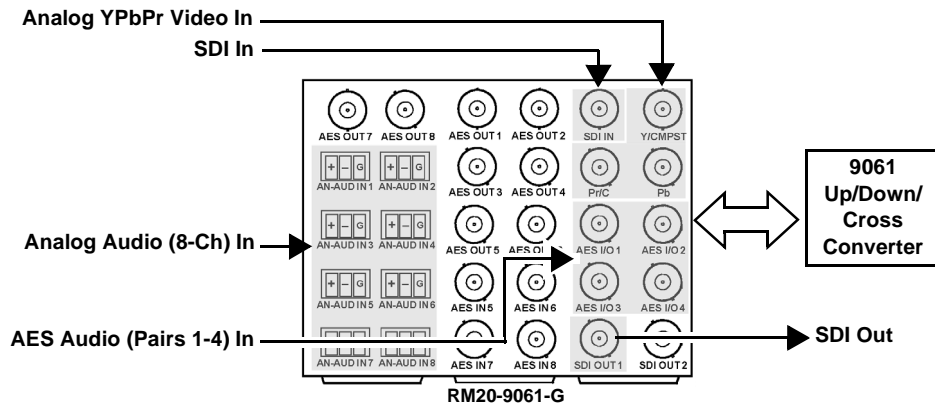
Double-Width Rear I/O Modules provide the breadth of signal accommodation to fully utilize advanced features of cards such as the 9901-UDX.

This example shows accommodation of key and fill inputs, along with an independent key preview output.



Triple-Width Rear I/O Modules provide the large degree of discrete signal accommodation required for baseband support.

In this example, full analog audio/video input support (concurrent with SDI input/discrete digital audio support) is provided on one module.



Note: RM20-xxxx-x Rear I/O Modules are for use in 8321 openGear™ 20-slot frames. Modules are also available for 8310 openGear™ 10-slot frames as RM-xxxx-x, except where noted in card information and price lists.