



Lab Development Chassis

PRODUCT SUMMARY

DESIGN > DEVELOP > DEPLOY



DEVELOPMENT CHASSIS CONFIGURATIONS

Program development schedules and budgets repeatedly face pressure as a program moves from development to demonstration and then to deployment. These obstacles can be greatly reduced by using flexible chassis that are designed to be reconfigured as the program moves between phases. Atrenne Integrated Solutions flexible development chassis are designed to do just that. They are available now, with a range of form factor and backplane options.

Atrenne provides the industry's widest array of desktop/benchtop/tower, open frame, rackmount, and ATR development systems for usage in the lab environment. Our chassis support both 3U and 6U module form factors, and both air and forced-air conduction cooling methodologies. Atrenne also offers the industry's widest selection of backplane topologies including VITA standard backplanes as well as pass-through backplanes, which can be configured to meet an application-specific interconnect specification with cabling.

Demo systems, like the D2D Series, create a proof of concept that meets "show and tell" purposes or addresses more rigorously defined tests. A polished appearance is important, as it helps convince end user customers that the solution is mature and the move to deployment is a small step. Operational performance for a demo is, of course, essential and this includes a sufficient level of ruggedness to withstand field tests, flight tests or sea trials.

OPEN FRAME | Atrenne's family of open frame chassis provide easy access to board components and cards for probe access and debug. The open frame chassis is available with a choice of backplanes, including Atrenne's newest 10 Gbaud, Gen-3 backplanes, as well as flexible options for hybrid architectures to support legacy applications.

PORTABLE/DESKTOP | Our collection of desktop, benchtop and tower chassis are ideally suited for development in a test environment. Developers may choose from Atrenne's 3U or 6U form factor with number of slots ranging from 2 to 7.

RACKMOUNT | Rackmount development chassis are available that support both 3U and 6U module form factors, both air and forced-air conduction cooling methodologies, with the number of slots ranging from 5 to 12.

ATR D2D | Our ¾ D2D ATR chassis is flexible and configurable, making for easy upgrades as the development progresses and eventually deployment. Beyond the chassis, it includes configurable fans and power supplies, which allow for industrial and military applications.

Atrenne also offers the industry's widest selection of backplane topologies including VITA standard backplanes as well as pass-through backplanes which can be configured to meet an application-specific interconnect specification with cabling. Read more about our lab development systems at www.atrenne.com/system/lab-development-systems.

ATR D2D SERIES

The D2D-34S ATR chassis supports the development-to-deployment program (D2D) lifecycle, maximizing use of COTS components for development and demonstration with upgradeability for deployment.

FEATURES

- Supports development-to-deployment program lifecycle, maximizing use of COTS components for development and demonstration with upgradeability for deployment
- Ideal for IRAD projects
- Eliminates the need to procure air-cooled payload for development
- Pass-through backplane for lab development backplane in deployment

SPECIFICATIONS

Part Number: D2D-34S and D2D-34TLA

Slots: 6 or 7

Power: 28 VDC nominal (22-33 VDC continuous)

Card Format: OpenVPX-Gen-3 Pass-Thru

Lead Time: 4-6 Weeks data only.



About Atrenne Computing Solutions

For more than 50 years, Atrenne has been designing, developing and deploying rugged electronic packaging, chassis, backplanes, and integrated assemblies. We are proud to provide customers with fully tested, reliable, electromechanical solutions on-schedule and with world-class quality. Our mission-critical and performance critical embedded computing platforms are currently deployed in over a hundred programs, operating reliably in the harshest environments.

	OPEN FRAME SERIES		PORTABLE / DESKTOP SERIES							RACKMOUNT SERIES		Part #
	OF SMART 3	OF SMART 6	524 Series	COOL-XC3	COOL-XC6	COOL-CC3	COOL-CC3	RME9XC	RME13XC	DT-XC	DT-XC	
Part #	OF-SM3-OVP6X13AC	OF-SM6-OVP6X13AB	52431001-01	COOL-XC3-OVP6X13AC	COOL-XC6-OVP6X13AB	COOL-CC3-OVP6X13AG	COOL-CC3-OVP6X13AB	RME9XC-1COVP09X1	ME13XC-1BOVP16X13	DT-XC-A120VP6C3G3	DT-XC-A120VP6X1G3	Part #
3u or 6u	3U	6U	3U	3U	6U	3U	6U	3U	6U	6U	6U	3u or 6u
Slots	6	6	9	6	6	6	6	9	16	6	6	Slots
Power	POWER UP TO 900W	5V UP TO 1150W 12V	VS1 12 VDC, 3.3 VDC AUX	UP TO 900W 5V	UP TO 1150W 12V	UP TO 1200W 5V	UP TO 1150W 12V	UP TO 2600W 5V	UP TO 3300W 12V	1900W	1900W	Power
Card Format	OPENVPX-GEN-3 PASS-THRU	OPENVPX-GEN-3 PASS-THRU	SOSA-GEN-4 PASS-THRU	OPENVPX-GEN-3 PASS-THRU	OPENVPX-GEN-3 PASS-THRU	OPENVPX-GEN-3 PASS-THRU	OPENVPX-GEN-3 PASS-THRU	OPENVPX-GEN-3 PASS-THRU	OPENVPX-GEN-3 PASS-THRU	OPENVPX GEN-3 CENTRIC - 2X FAT PIPE DATA PLANE & 2X ULTRA THIN PIPE CONTROL PLANE	OPENVPX-GEN-3 PASS-THRU	Card Format



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