ADX V Fiber Distributed Antenna System



The ADXV Series represents the next evolution of DAS technology and architecture:

- Truly modular architecture means our single ADXV platform is ideal for both single carrier and neutral host applications
- Most flexible platform on the market provides a genuinely future-proofed solution so you only pay for what you need now
- Class-leading output power with 2W, 5W, 20W, and 40W in commercial and public safety bands covers virtually all in-building applications with significant cost savings
- Famed ADRF web-based GUI allows remote network control and alarm monitoring
- Built-in Spectrum Analyzer and Signal Generator at Head End
- Bulit-in Spectrum Analzyer at the Remote Units
- Up to 5 dBo of optical link budget over one strand of SMF per remote unit lowers cost and complexity and increases reach into disparate topologies
- Innovative Power Sharing Control enables dynamic power allocation amongst carriers or technologies
- Patented technologies (such as Band Commissioning Routine™ and Noise Detection Routine™) speed commissioning time to reduce cost

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Version 0.3g (updated on 7/18/2017)

HIGHLIGHTS

System

- Control parameters such as gain, output power, and alarm threshold can be changed using Web-GUI interface allowing the user to fine tune the system to the given RF environment
- Incremental Automatic Shutdown/Resume Time: ADXV gradually increases the time span between automatic shutdown and resume period before it permanently shuts itself down
- Supports ALC function to prevent ADXV DAS from input overload or output overpower
- Supports SNMP v1, v2c, v3 (get, set & traps)
- Modular structure
- Operates with up to 5dBo optical loss (via Single Mode Fiber) or 10dBo with the use of the OEU
- Requires only single strand of single mode fiber per Remote Unit
- Supports back-up and selective restore of setting parameters for all connected active modules in ADXV DAS via web-based GUI
- Noise Figure under 5dB @ max gain
- VSWR under 1.3:1 for BTS Interface Port

Head End

- Supports power sharing of multiple carriers' signals via configurable grouped POI/POIL units
- MIMO / Multi-Sector capable with a single Head End
- Daisy-chain and monitor up to 8 Head Ends from a single point of interface
- Web-based GUI and connectivity via DHCP (in host mode); no 3rd party GUI software required
- Supports dry contact alarming
- Both AC and DC power supply options available
- SMB (snap-on) interconnections for quick installation

Medium Power Remote Unit

- 33dBm of downlink composite output power for 700 MHz (Commercial), Cellular + SMR800, and 700 + 800 MHz Public Safety
- 37dBm of downlink composite output power for PCS, AWS, WCS, and BRS (TD-LTE)
- 25dBm of downlink composite output power for VHF + UHF
- IP66 rating without any additional chassis
- 30dB coupling test ports on each individual remote module
- Both AC and DC power supply options available
- 4.3-10 connectors

High Power Remote Unit

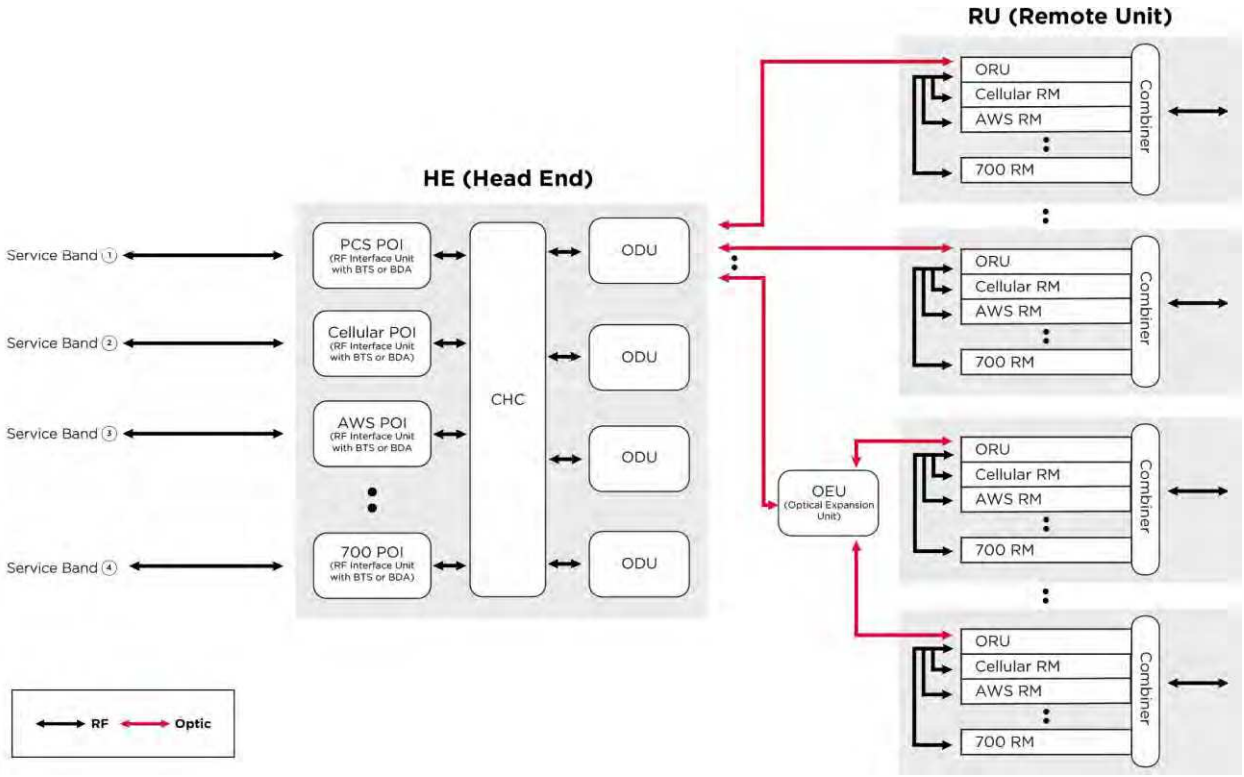
- 43dBm of downlink composite output power for 700 MHz (Commercial), and Cellular + SMR800
- 46dBm of downlink composite output power for PCS, AWS, and BRS (TD-LTE)
- 45dBm of downlink composite output power for WCS
- IP66 rating without any additional chassis
- 40dB coupling test ports on each individual remote module
- Both AC and DC power supply options available
- 4.3-10 connectors

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SYSTEM ARCHITECTURE

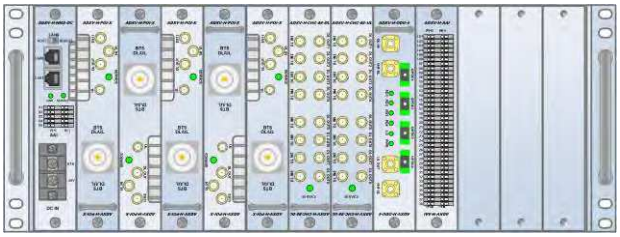
ADX V Series active fiber DAS is comprised of Head End (HE) equipment and Remote Unit (RU) equipment.



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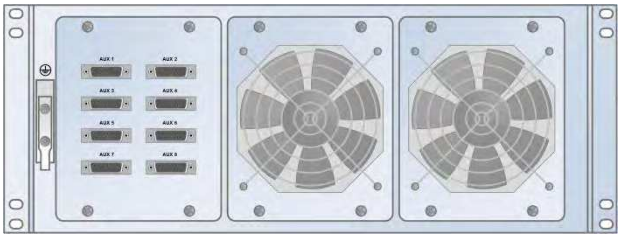
ADX V HEAD END EQUIPMENT



ADXV-H-NMS-AC

NMS-AC (AC Power Head End NMS Package)



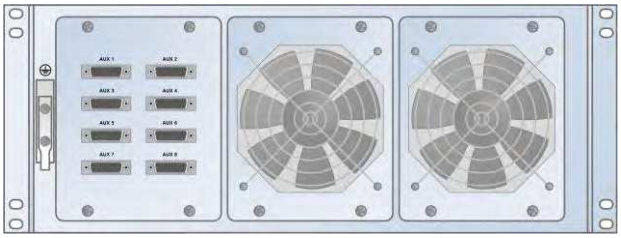


- 100 to 240V AC input
- Daisy-chain multiple NMS to configure/monitor from a single point of interface
- Supports battery backup unit
- Supports up to 12 POI, ODU, or CHC modules
- Supports up to 8 ADXV-H-RACK to support up to an additional 16 ODU or CHC-44M/CHC-88 modules
- SNMP v1, v2c, and v3 (get, set, & trap) and dry contact alarm support

ADXV-H-NMS-DC

NMS-DC (DC Power Head End NMS Package)





- -36 to -72V DC input
- Daisy-chain multiple NMS to configure/monitor from a single point of interface
- Supports up to 12 POI, ODU, or CHC modules
- Supports up to 8 ADXV-H-RACK to support up to an additional 16 ODU or CHC-44M/CHC-88 modules
- SNMP v1, v2c, and v3 (get, set, & trap) and dry contact alarm support

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ADXV-H-POI

POI (High Power Point of Interface Unit)



- 7/16 DIN (Female) Simplex DL/Duplex Input and SMA (Female) Simplex UL port
- 7/16 DIN (Female) Duplex Input only for ADXV-H-POI-BT (BRS TD-LTE) module
- Receives RF input signals from 0dBm to +48dBm
- Available for Lower 700 MHz (Commercial), Upper 700 MHz (Commercial) + Band14, SMR800 + Cellular, PCS, AWS, WCS, and BRS (TD-LTE)
- Power ratios can be specified between multiple POI/POIL unit via NMS
- Built-in spectrum analyzer and signal generator

ADXV-H-POIL

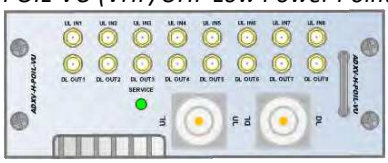
POIL (Low Power Point of Interface Unit)



- 4.3-10 (Female) Simplex DL/Duplex Input and 4.3-10 (Female) Simplex UL port
- Receives RF input signals from 0dBm to +25dBm
- Available for Lower 700 MHz (Commercial), Upper 700 MHz (Commercial) + Band14, SMR800 + Cellular, PCS, AWS, and WCS
- Power ratios can be specified between multiple POI/POIL unit via NMS
- Built-in spectrum analyzer and signal generator

ADXV-H-POIL-VU

POIL-VU (VHF/UHF Low Power Point of Interface Unit)



- 4.3-10 (Female) Simplex DL/UL ports
- Receives RF input signals from 0dBm to +25dBm
- Supports VHF and UHF frequencies
- Built-in spectrum analyzer and signal generator for UHF bands

ADXV-H-CHC-88-DL/UL

CHC-88 (8x8 Combiner)



- SMB (snap-on) inputs and outputs
- Supports up to 8 inputs and 8 outputs
- Designed for single carrier application

ADXV-H-CHC-44M-DL/UL

CHC-44M (4x4 MIMO Combiner)



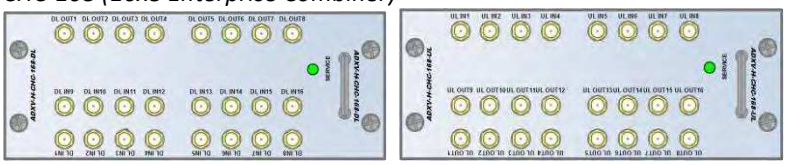
- SMB (snap-on) inputs and outputs
- Supports up to 4 inputs and 4 outputs x 2
- Designed for quad-band MIMO application

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ADXV-H-CHC-168-DL/UL

CHC-168 (16x8 Enterprise Combiner)



- SMB (snap-on) inputs and outputs
- Supports up to 16 inputs and 8 outputs
- Designed for Enterprise application to support up to 16 inputs

ADXV-H-ODU-4

ODU-4 (4 Port Optic Donor Unit)



- SMB (snap-on) Input RF ports | SC/APC Fiber ports
- Supports frequency range between 136 – 2690 MHz
- Minimizes the number of optic cables needed by transporting multi band signals over a single strand of fiber using WDM technology
- ODU-4 supports up to 4 remote units with up to 5dBo loss

ADXV-H-RACK

H-RACK (19" Rack for HE Components)



- 19" expansion rack for ADXV HE components
- Supports up to 2 ODU or CHC-88/CHC-44M

ADXV-H-AAI

AAI (Auxiliary Alarm Interface Module)

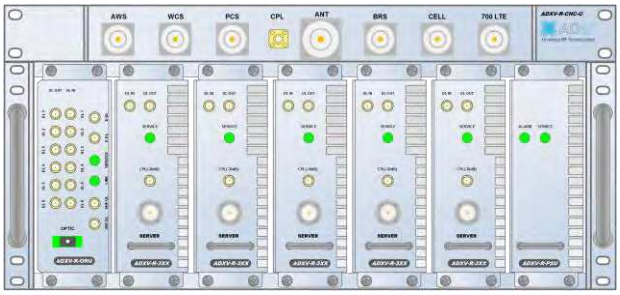


- Supports dry contact alarming for ADXV HE components
- Supports dry contact alarming for up to 4 public safety remote units
- Additional public safety remotes units can be monitored with additional AAI modules
- Supports up to 6 dry contact input alarms

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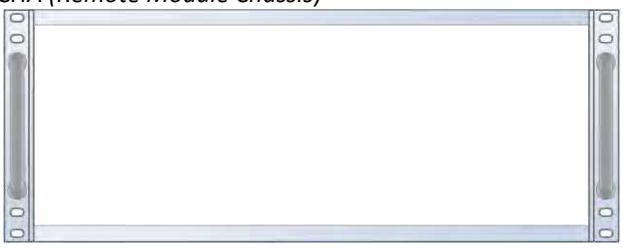
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ADX V MEDIUM POWER REMOTE UNIT EQUIPMENT



ADXV-R-CHA

CHA (Remote Module Chassis)



- Both wall and 19” rack mount solution for remote modules
- Supports up to 7 ADXV slot-type remote components

ADXV-R-RACK

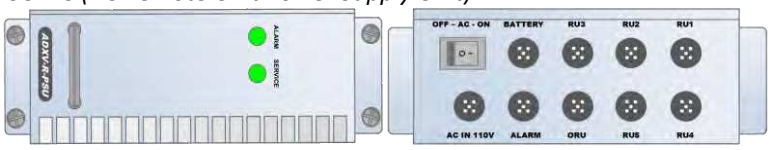
R-RACK (19” Rack for Remote Modules)



- 19” expansion rack for ADXV RU components
- Supports up to 2 ORU, RAM, or PSU

ADXV-R-PSU-AC

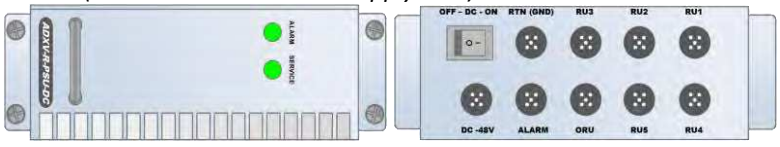
PSU-AC (AC Remote Unit Power Supply Unit)



- 100 to 240V AC input
- 500W Power Capacity
- Supports PSU alarming
- Supports ADRF-BBx for a battery backup solution

ADXV-R-PSU-DC

PSU-DC (DC Remote Unit Power Supply Unit)



- -36 to -72V DC input
- 500W Power Capacity
- Supports PSU alarming

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ADXV-R-ORU

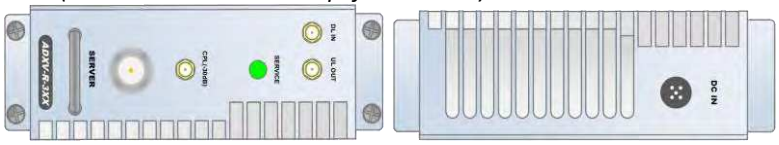
ORU (Optical Remote Unit)



- SMA (Female) RF ports
- SC/APC connector to receive optic and convert to RF
- Supports up to 6 remote modules
- Expansion UL and DL ports available to support additional remote modules
- Local GUI port available to log into local remote unit

ADXV-R-33X/37X

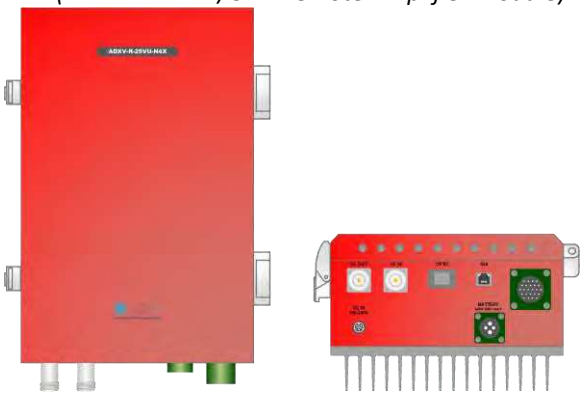
RAM (2W and 5W Remote Amplifier Module)



- SMA (Female) and 4.3-10 (Female) RF ports
- 33dBm of downlink composite output power on low band
- 37dBm of downlink composite output power on high band
- 30dB test port available at every band specific remote module

ADXV-R-25VU-N4X

RAM (NEMA-4X VHF/UHF Remote Amplifier Module)



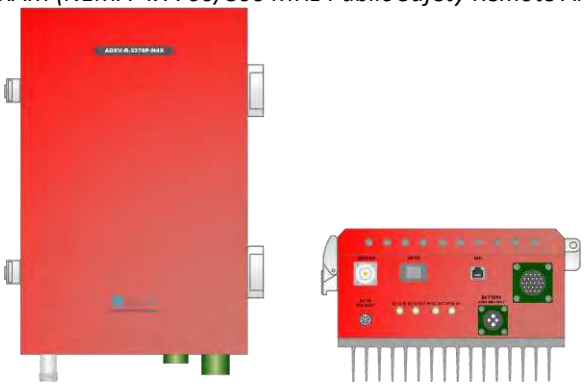
- 4.3-10 (Female) simplex RF ports
- Supports dry contact alarming
- Supports ADRF-BBx battery backup solution
- Local GUI port available to log into local remote unit
- 25dBm composite output power

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ADXV-R-3378P-N4X

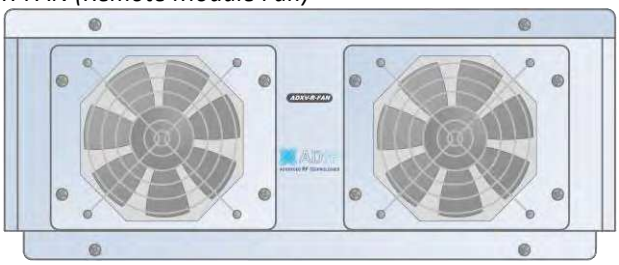
RAM (NEMA-4X 700/800 MHz Public Safety Remote Amplifier Module)



- 4.3-10 (Female) duplex RF port
- Supports dry contact alarming
- Supports ADRF-BBx battery backup solution
- Local GUI port available to log into local remote unit
- 33dBm of downlink composite output power

ADXV-R-FAN-DC

R-FAN (Remote Module Fan)

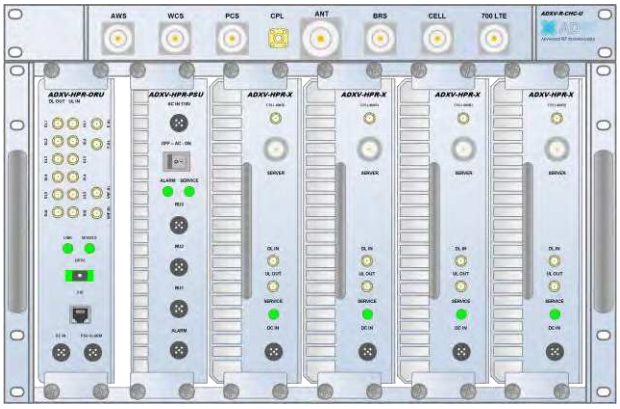


- Mounts to the rear of the ADXV-R-CHA
- Provides active cooling when more than 4 RAM are deployed
- Provides cable management for RAM power cables
- Field replaceable fans

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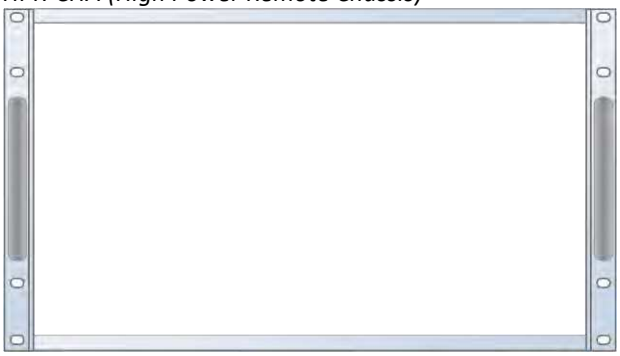
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ADX V HIGH POWER REMOTE UNIT EQUIPMENT



ADXV-HPR-CHA

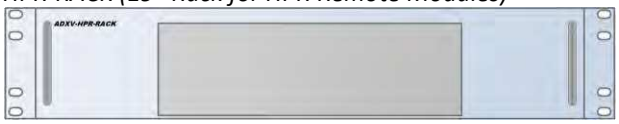
HPR-CHA (High Power Remote Chassis)



- Both wall and 19” rack mount solution for high power remote modules
- Supports up to 6 ADXV slot-type high power remote components

ADXV-HPR-RACK

HPR-RACK (19” Rack for HPR Remote Modules)



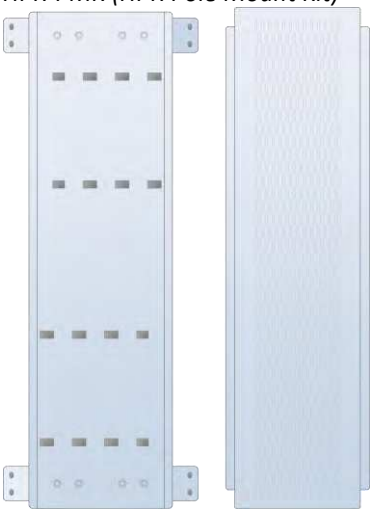
- 19” expansion rack for ADXV HPR components
- Supports 1 HPR-ORU, HPR-RAM, HPR-PSU, or HPR-CHC

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ADXV-HPR-PMK

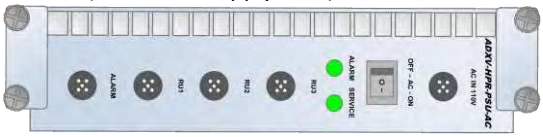
HPR-PMK (HPR Pole Mount Kit)



- Supports up to 8 ADX V DAS HPR modules and 1 HPR-CHC combiner
- Mountable on wood poles with diameters from 10” to 30”

ADXV-HPR-PSU-AC

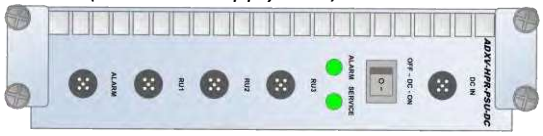
PSU-AC (AC Power Supply Unit)



- 100 to 240V AC input
- 1.5kW Power Capacity
- Supports PSU alarming

ADXV-HPR-PSU-DC

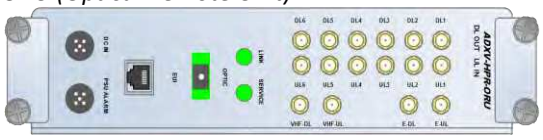
PSU-DC (DC Power Supply Unit)



- -36 to -72V DC input
- 1.5kW Power Capacity
- Supports PSU alarming

ADXV-HPR-ORU

ORU (Optical Remote Unit)



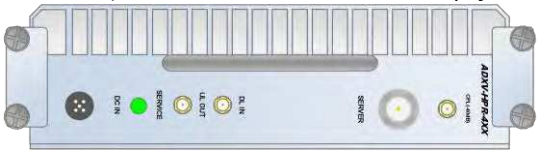
- SMA (Female) RF ports
- SC/APC connector to receive optic and convert to RF
- Supports up to 6 remote modules
- Expansion UL and DL ports available to support additional remote modules
- Local GUI port available to log into local remote unit

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ADXV-HPR-43X/46X

HPR RAM (20W and 40W HPR Remote Amplifier Module)



- SMA (Female) and 4.3-10 (Female) RF ports
- 43dBm of downlink composite output power on low band
- 46dBm of downlink composite output power on high band
- 40dB test port available at every band specific remote module

ADXV-R-OEU-8

OEU-8 (Optical Expansion Unit)



- Supports frequency range between 136 – 2690 MHz
- Operates with up to 5dBo optical loss between OEU and ORU
- Drives up to 8 additional ORUs
- Provides DAS coverage to remote building while minimizing equipment and fiber
- Supports system login at the OEU-8 via USB port

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Combining Options

ADXV-R-CHC-U

CHC-U (Enterprise RU Channel Combiner)



- 4.3-10 (Female) input ports | 7/16 DIN (Female) output port
- Combines outputs of RAMs with minimal loss
- Wall or 19" Rack Mountable
- IP67 Outdoor Rated

ADXV-HPR-CHC-U

HPR-CHC-U (Universal Low Loss Channel Combiner)



- 4.3-10 (Female) input and output ports
- Combines outputs of RAMs with minimal loss
- Installs into an ADXV-HPR-PMK, ADXV-HPR-CHA, or ADXV-HPR-RACK
- IP67 Outdoor Rated

ADXV-HPR-CHC-U-LH

HPR-CHC-U-LH (Universal Low/High Band Channel Combiner)



- 4.3-10 (Female) input and output ports
- Dedicated sum port for low bands and high bands
- Installs into an ADXV-HPR-PMK, ADXV-HPR-CHA, or ADXV-HPR-RACK
- IP67 Outdoor Rated

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SUPPORTED FREQUENCY BANDS

Frequency Band	Frequency Range		Remarks
	Downlink	Uplink	
VHF	136 – 174 MHz		
UHF	380 – 512 MHz		
Lower 700 MHz Commercial	728 – 746 MHz	698 – 716 MHz	Lower A, B, C
Upper 700 MHz Commercial	746 – 757 MHz	776 – 787 MHz	Upper C
700 MHz Public Safety	758 – 775 MHz	788 – 805 MHz	
800 MHz Public Safety	851 – 861 MHz	806 – 816 MHz	
SMR800 Commercial + Cellular	862 – 894 MHz	817 – 849 MHz	
PCS	1930 – 1995 MHz	1850 – 1915 MHz	
AWS	2110 – 2180 MHz	1710 – 1780 MHz	
WCS	2345 – 2360 MHz	2305 – 2320 MHz	
BRS (TD-LTE)	2496 – 2690 MHz		

RF PARAMETERS PER FREQUENCY BAND AT OUTPUT PORT OF ADXV-R-CHC-U

The RF Parameters listed in the tables below reflect the specifications at the sum port of the ADXV-R-CHC-U when combined with the remote units.

This table can be applied regardless of used technologies such as CDMA, WCDMA, LTE and GSM.

Part name	ADXV-R-337F	ADXV-R-33S8C	ADXV-R-37P	ADXV-R-37A	ADXV-R-37W	ADXV-R-37BT
Band	700 MHz	SMR800 Commercial + Cell	PCS	AWS	WCS	BRS (TD-LTE)
Max Output Power per RU	33dBm	33dBm	37dBm	37dBm	37dBm	37dBm
ADXV-R-CHC-U (Loss)	-0.5 dB	-0.5 dB	-0.5 dB	-0.5 dB	-0.5 dB	-0.5 dB
Max Output	32.5dBm	32.5dBm	36.5dBm	36.5dBm	36.5dBm	36.5dBm
1 Carrier	32.5dBm	32.5dBm	36.5dBm	36.5dBm	36.5dBm	36.5dBm
2 Carriers	29.5dBm	29.5dBm	33.5dBm	33.5dBm	33.5dBm	33.5dBm
4 Carriers	26.5dBm	26.5dBm	30.5dBm	30.5dBm	30.5dBm	30.5dBm
8 Carriers	23.5dBm	23.5dBm	27.5dBm	27.5dBm	27.5dBm	27.5dBm
16 Carriers	20.5dBm	20.5dBm	24.5dBm	24.5dBm	24.5dBm	24.5dBm

Part name	ADXV-HPR-437F	ADXV-HPR-43S8C	ADXV-HPR-46P	ADXV-HPR-46A	ADXV-HPR-45W	ADXV-HPR-46BT
Band	700 MHz	SMR800 Commercial + Cell	PCS	AWS	WCS	BRS
Max Output Power per RU	43dBm	43dBm	46dBm	46dBm	45dBm	46dBm
ADXV-R-CHC-U (Loss)	-0.5 dB	-0.5 dB	-0.5 dB	-0.5 dB	-0.5 dB	-0.5 dB
Max Output	42.5dBm	42.5dBm	45.5dBm	45.5dBm	44.5dBm	45.5dBm
1 Carrier	42.5dBm	42.5dBm	45.5dBm	45.5dBm	44.5dBm	45.5dBm
2 Carriers	39.5dBm	39.5dBm	42.5dBm	42.5dBm	41.5dBm	42.5dBm
4 Carriers	36.5dBm	36.5dBm	39.5dBm	39.5dBm	38.5dBm	39.5dBm
8 Carriers	33.5dBm	33.5dBm	36.5dBm	36.5dBm	35.5dBm	36.5dBm
16 Carriers	30.5dBm	30.5dBm	33.5dBm	33.5dBm	32.5dBm	33.5dBm

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SYSTEM SPECIFICATIONS

Parameters		Specifications
Downlink Input Power Range	POI	0~+48dBm
	POIL	0~+25dBm
Gain	Uplink	0~30dB
	Downlink	POI to RAM (2W): -15~33dB | POIL to RAM (2W): 8~33dB
		POI to RAM (5W): -11~37dB | POIL to RAM (5W): 12~37dB
		POI to HPR RAM (20W): -5~43dB | POIL to HPR RAM (20W): 18~43dB
		POI to HPR RAM (40W): -2~46dB | POIL to HPR RAM (40W): 21~46dB
Maximum Composite Output Power (DL)		VHF/UHF: 25dBm | Low Band: 33dBm, 43dBm | High Band: 37dBm, 46dBm
Maximum Composite Output Power (UL)		-15dBm (Typical) | +5dBm (Max)
Noise Figure		≤ 5dB @ Max Gain (Center Frequency)
VSWR (Medium Power)		< 1.3 : 1 @ BTS Interface Port | < 1.5 : 1 @ Internal Interface Port
Optic Loss		0~5 dBo
System Delay		< 2us
Spurious		Meet FCC rules, 3GPP TS 36.104, 3GPP2 C.S0010-C
Optic Connectors		SC/APC (Green)
Optic Wavelength		1310nm for downlink, 1550nm for uplink
Operating Temperature		HE: 14 ~ 122°F (-10 ~ 50°C) | RU: -40 ~ 140°F (-40 ~ 60°C)
Operating Humidity		5~95% RH
Power Input	Head End	ADXV-H-NMS-AC: 100 to 240V, 50-60Hz with battery backup function ADXV-H-NMS-DC: -36V to -72V DC
	Remote Unit	ADXV-R-PSU-AC: 100 to 240V, 50-60Hz with battery backup function ADXV-R-PSU-DC: -36V to -72V DC ADXV-HPR-PSU-AC: 100 to 240V, 50-60Hz ADXV-HPR-PSU-DC: -36V to -72V DC
Network Management System		Ethernet (RJ45)
RF Connector	POI	DIN (Female) | SMA (Female) | SMB (Female)
	POIL	4.3-10 (Female) | SMB (Female)
	Remote Modules	4.3-10 (Female) | SMA (Female)
Weather Resistance (Remote Modules)		IP66

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WEIGHT, SIZE, AND POWER CONSUMPTION

Product Name	Weight	Size (W x H x D)	Rack Units	Power Consumption	BTU/hrs
Head End					
ADXV-H-NMS-AC	20.9 lbs	19.0 x 7.0 x 19.7 in	4U	8.85W	30.19
ADXV-H-NMS-DC	20.0 lbs	19.0 x 7.0 x 19.7 in	4U	8.64W	29.48
ADXV-H-ODU-4	5.30 lbs	1.3 x 6.85 x 17.0 in	--	7.68W	26.20
ADXV-H-POI-7L	6.17 lbs	1.3 x 6.85 x 17.0 in	--	7.2W	24.56
ADXV-H-POI-7U	6.17 lbs	1.3 x 6.85 x 17.0 in	--	7.2W	24.56
ADXV-H-POI-S8C	6.17 lbs	1.3 x 6.85 x 17.0 in	--	7.2W	24.56
ADXV-H-POI-P	6.17 lbs	1.3 x 6.85 x 17.0 in	--	7.2W	24.56
ADXV-H-POI-A	6.17 lbs	1.3 x 6.85 x 17.0 in	--	7.2W	24.56
ADXV-H-POI-W	6.17 lbs	1.3 x 6.85 x 17.0 in	--	7.2W	24.56
ADXV-H-POI-BT	6.17 lbs	1.3 x 6.85 x 17.0 in	--	7.2W	24.56
ADXV-H-POIL-VU	6.61 lbs	2.6 x 6.85 x 17.0 in	--	7.0W	23.88
ADXV-H-POIL-78P	5.00 lbs	1.3 x 6.85 x 17.0 in	--	6.45W	22.00
ADXV-H-POIL-7L	5.00 lbs	1.3 x 6.85 x 17.0 in	--	6.45W	22.00
ADXV-H-POIL-7U	5.00 lbs	1.3 x 6.85 x 17.0 in	--	6.45W	22.00
ADXV-H-POIL-S8C	5.00 lbs	1.3 x 6.85 x 17.0 in	--	6.45W	22.00
ADXV-H-POIL-P	5.00 lbs	1.3 x 6.85 x 17.0 in	--	6.45W	22.00
ADXV-H-POIL-A	5.00 lbs	1.3 x 6.85 x 17.0 in	--	6.45W	22.00
ADXV-H-POIL-W	5.00 lbs	1.3 x 6.85 x 17.0 in	--	6.45W	22.00
ADXV-H-CHC-88-DL	4.40 lbs	1.3 x 6.85 x 17.0 in	--	0.96W	3.27
ADXV-H-CHC-88-UL	4.40 lbs	1.3 x 6.85 x 17.0 in	--	0.96W	3.27
ADXV-H-CHC-44M-DL	4.40 lbs	1.3 x 6.85 x 17.0 in	--	0.96W	3.27
ADXV-H-CHC-44M-UL	4.40 lbs	1.3 x 6.85 x 17.0 in	--	0.96W	3.27
ADXV-H-CHC-168-DL	7.71 lbs	2.6 x 6.85 x 17.0 in	--	0.96W	3.27
ADXV-H-CHC-168-UL	7.71 lbs	2.6 x 6.85 x 17.0 in	--	0.96W	3.27
ADXV-H-RACK	4.2 lbs	19.0 x 1.73 x 19.0 in	1U	--	--
ADXV-H-AAI	2.95 lbs	1.3 x 6.85 x 17.0 in	--	13.4W	45.72
Mid Power Remote Modules					
ADXV-R-CHA	15.43 lbs	19.0 x 7.0 x 15.0 in	4U	--	--
ADXV-R-CHA-SG	2.20 lbs	19.2 x 7.0 x 2.8 in	--	--	--
ADXV-R-RACK	7.40 lbs	19.0 x 2.6 x 13.8 in	1.5U	--	--
ADXV-R-FAN-DC	3.33 lbs	17.1 x 6.9 x 3.5 in	--	9.0W	30.7
ADXV-R-PSU-AC	8.81 lbs	2.3 x 6.85 x 13.8 in	--	5.36W	18.28
ADXV-R-PSU-DC	8.81 lbs	2.3 x 6.85 x 13.8 in	--	5.1W	17.4
ADXV-R-ORU	8.81 lbs	2.3 x 6.85 x 13.8 in	--	10.94W	37.32
ADXV-R-25VU-N4X	26.5 lbs	9.85 x 15.0 x 6.6 in	--	66.06W	225.40
ADXV-R-3378P-N4X	26.5 lbs	9.85 x 15.0 x 6.6 in	--	60.19W	205.37
ADXV-R-337F	9.92 lbs	2.3 x 6.85 x 13.8 in	--	38.29W	130.65
ADXV-R-33S8C	9.92 lbs	2.3 x 6.85 x 13.8 in	--	43.634W	148.88
ADXV-R-37P	9.92 lbs	2.3 x 6.85 x 13.8 in	--	57.33W	195.61
ADXV-R-37A	9.92 lbs	2.3 x 6.85 x 13.8 in	--	56.06W	191.28
ADXV-R-37W	9.92 lbs	2.3 x 6.85 x 13.8 in	--	53.0W	180.84
ADXV-R-37BT	9.92 lbs	2.3 x 6.85 x 13.8 in	--	56.0W	191.07

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High Power Remote (HPR) Modules					
ADXV-HPR-CHA	17.6 lbs	19.0 x 10.5 x 15.0 in	6U	--	--
ADXV-HPR-RACK	7.53 lbs	19.0 x 3.47 x 13.8 in	2U	--	--
ADXV-HPR-PMK	64.5 lbs	13.0 x 45.7 x 12.7 in	--	--	--
ADXV-HPR-PSU-AC	11.02 lbs	2.36 x 10.3 x 17.8 in	--	5.4W	18.42
ADXV-HPR-PSU-DC	11.02 lbs	2.36 x 10.3 x 17.8 in	--	5.2W	17.74
ADXV-HPR-ORU	11.02 lbs	2.36 x 10.3 x 13.8 in	--	10.94W	37.32
ADXV-HPR-437F	13.22 lbs	2.75 x 10.3 x 17.8 in	--	129W	440.16
ADXV-HPR-43S8C	13.22 lbs	2.75 x 10.3 x 17.8 in	--	145W	494.76
ADXV-HPR-46P	13.22 lbs	2.75 x 10.3 x 17.8 in	--	264W	900.80
ADXV-HPR-46A	13.22 lbs	2.75 x 10.3 x 17.8 in	--	259W	883.74
ADXV-HPR-45W	13.22 lbs	2.75 x 10.3 x 17.8 in	--	269W	917.86
ADXV-HPR-46BT	13.22 lbs	2.75 x 10.3 x 17.8 in	--	261W	890.56
Combiners / Splitters					
ADXV-R-CHC-U	6.61 lbs	19.0 x 1.73 x 9.6 in	1U	--	--
ADXV-HPR-CHC-U	15.08 lbs	11.0 x 9.44 x 2.8 in	--	--	--
ADXV-HPR-CHC-U-LH	15.08 lbs	11.0 x 9.44 x 2.8 in	--	--	--
Miscellaneous					
ADXV-R-OEU-8	15.4 lbs	19.0 x 3.5 x 13.9 in	2U	28W	95.53

ORDERING INFORMATION

- **HE Equipment**

Part Name	Frequency Band	Description
ADXV-H-NMS-AC		ADX V DAS Head End Chassis + Network Management System + AC Power Supply Unit
ADXV-H-NMS-DC		ADX V DAS Head End Chassis + Network Management System + DC Power Supply Unit
ADXV-H-ODU-4		ADX V DAS Head End Optical Donor Unit Module (4 Ports)
ADXV-H-POI-7L	700 MHz Lower A, B, C	ADX V DAS Head End Point of Interface Module 700 MHz Lower A, B, C (0-48dBm)
ADXV-H-POI-7U	700 MHz Upper C + Band 14	ADX V DAS Head End Point of Interface Module 700 MHz Upper C + Band 14 (0-48dBm)
ADXV-H-POI-S8C	SMR800 + Cell	ADX V DAS Head End Point of Interface Module SMR800 (Commercial) + Cellular (0-48dBm)
ADXV-H-POI-P	PCS	ADX V DAS Head End Point of Interface Module PCS (0-48dBm)
ADXV-H-POI-A	AWS-1 + AWS-3	ADX V DAS Head End Point of Interface Module AWS-1 + AWS-3 (0-48dBm)
ADXV-H-POI-W	WCS	ADX V DAS Head End Point of Interface Module WCS (0-48dBm)
ADXV-H-POI-BT	BRS (TD-LTE)	ADX V DAS Head End Point of Interface Module BRS (0-48dBm)
ADXV-H-POIL-VU	VHF / UHF	ADX V DAS Head End Point of Interface Module VHF/UHF (0-37dBm)
ADXV-H-POIL-78P	700/800 MHz PS	ADX V DAS Head End Point of Interface Module Public Safety 700/800 MHz (0-25dBm)
ADXV-H-POIL-7L	700 MHz Lower A, B, C	ADX V DAS Head End Low Power Point of Interface Module 700 MHz Lower A, B, C (0-25dBm)
ADXV-H-POIL-7U	700 MHz Upper C + Band 14	ADX V DAS Head End Low Power Point of Interface Module 700 MHz Upper C + Band 14 (0-25dBm)
ADXV-H-POIL-S8C	SMR800 + Cell	ADX V DAS Head End Low Power Point of Interface Module SMR800 (Commercial) + Cellular (0-25dBm)
ADXV-H-POIL-P	PCS	ADX V DAS Head End Low Power Point of Interface Module PCS (0-25dBm)
ADXV-H-POIL-A	AWS-1 + AWS-3	ADX V DAS Head End Low Power Point of Interface Module AWS-1 + AWS-3 (0-25dBm)
ADXV-H-POIL-W	WCS	ADX V DAS Head End Low Power Point of Interface Module WCS (0-25dBm)
ADXV-H-CHC-88-DL		ADX V DAS Head End Channel Combiner Module for Downlink (8 Inputs + 8 Outputs)
ADXV-H-CHC-88-UL		ADX V DAS Head End Channel Combiner Module for Uplink (8 Inputs + 8 Outputs)
ADXV-H-CHC-44M-DL		ADX V DAS Head End Channel Combiner Module for Downlink [2 * (4 Inputs + 4 Outputs)] (for MIMO)
ADXV-H-CHC-44M-UL		ADX V DAS Head End Channel Combiner Module for Uplink [2 * (4 Inputs + 4 Outputs)] (for MIMO)
ADXV-H-CHC-168-DL		ADX V DAS Head End Channel Combiner Module for Downlink (16 Inputs + 8 Outputs)
ADXV-H-CHC-168-UL		ADX V DAS Head End Channel Combiner Module for Uplink (16 Inputs + 8 Outputs)
ADXV-H-RACK		ADX V DAS Head End 19" 1U Rack supporting up to 2 ODU, CHC-88, or CHC-44M
ADXV-H-AAI		ADX V DAS Head End Auxiliary Alarm Interface Module (supports 1 HE / 4 RU / 6 Inputs)

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- **RU Equipment**

Part Name	Frequency Band	Description
Mid Power Remote Modules		
ADXV-R-CHA		ADX V DAS Remote Unit Chassis (supports 7 RU Modules) (rack or wall mountable)
ADXV-R-CHA-SG		ADX V DAS Remote Unit Chassis Safety Guard
ADXV-R-RACK		ADX V DAS Remote Unit 19" Rack (supports 2 RU Modules)
ADXV-R-FAN-DC		ADX V DAS Remote Unit Fan (required with more than 4 RAM)
ADXV-R-PSU-AC		ADX V DAS Remote Unit AC Power Supply Unit Module
ADXV-R-PSU-DC		ADX V DAS Remote Unit DC Power Supply Unit Module
ADXV-R-ORU		ADX V DAS Remote Unit Optical Remote Unit Module
ADXV-R-25VU-N4X	VHF/UHF	ADX V DAS NEMA-4X Remote Unit Public Safety VHF/UHF 25dBm Amplifier Module
ADXV-R-3378P-N4X	700/800 MHz PS	ADX V DAS NEMA-4X Remote Unit Public Safety 700/800 MHz 33dBm Amplifier Module
ADXV-R-337F	700 MHz	ADX V DAS Remote Unit 700 MHz Lower A/B/C + Upper C 33dBm Amplifier Module
ADXV-R-33S8C	SMR800 + Cell	ADX V DAS Remote Unit SMR800 (Commercial) + Cellular 33dBm Amplifier Module
ADXV-R-37P	PCS	ADX V DAS Remote Unit PCS 37dBm Amplifier Module
ADXV-R-37A	AWS-1 + AWS-3	ADX V DAS Remote Unit AWS-1 + AWS-3 37dBm Amplifier Module
ADXV-R-37W	WCS	ADX V DAS Remote Unit WCS 37dBm Amplifier Module
ADXV-R-37BT	BRS (TD-LTE)	ADX V DAS Remote Unit BRS 37dBm Amplifier Module
High Power Remote (HPR) Modules		
ADXV-HPR-CHA		ADX V DAS High Power Remote Chassis (supports 6 HPR Modules) (rack or wall mountable)
ADXV-HPR-RACK		ADX V DAS High Power Remote 19" Rack (supports 1 HPR Module)
ADXV-HPR-PMK		ADX V DAS High Power Remote Pole Mount Kit (supports 8 HPR Modules)
ADXV-HPR-PSU-AC		ADX V DAS High Power Remote AC Power Supply Unit Module
ADXV-HPR-PSU-DC		ADX V DAS High Power Remote DC Power Supply Unit Module
ADXV-HPR-ORU		ADX V DAS High Power Remote Optical Remote Unit Module
ADXV-HPR-437F	700 MHz	ADX V DAS High Power Remote 700 MHz Lower A/B/C + Upper C 43dBm Amplifier Module
ADXV-HPR-43S8C	SMR800 + Cell	ADX V DAS High Power Remote SMR800 (Commercial) + Cellular 43dBm Amplifier Module
ADXV-HPR-46P	PCS	ADX V DAS High Power Remote PCS 46dBm Amplifier Module
ADXV-HPR-46A	AWS-1 + AWS-3	ADX V DAS High Power Remote AWS-1 + AWS-3 46dBm Amplifier Module
ADXV-HPR-45W	WCS	ADX V DAS High Power Remote WCS 45dBm Amplifier Module
ADXV-HPR-46BT	BRS (TD-LTE)	ADX V DAS High Power Remote BRS (TD-LTE) 46dBm Amplifier Module
Combiners / Splitters		
ADXV-R-CHC-U		ADX V DAS Remote Unit/High Power Remote Universal Channel Combiner (700 MHz, SMR800 + Cellular, PCS, AWS, WCS, BRS)
ADXV-HPR-CHC-U		ADX V DAS Remote Unit/High Power Remote Universal Channel Combiner (700 MHz, SMR800 + Cellular, PCS, AWS, WCS, BRS) for HPR-PMK/HPR-CHA
ADXV-HPR-CHC-LH		ADX V DAS Remote Unit/High Power Remote Low/High Universal Channel Combiner (700 MHz, SMR800 + Cellular / PCS, AWS, WCS, BRS) for HPR-PMK/HPR-CHA
Miscellaneous		
ADXV-R-OEU-8		ADX V DAS Optical Expansion Unit (supports 8 Remote Units)

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