AVCLink-US DataSheet

Chassis		4U	8U	15U	26U
Appearance					
Configuration	Number of Ports	80	160	320	576
	Input Slots	10 I/O (flexible selection)	20 I/O (flexible selection)	20	36
	Output Slots			20	36
	Control Card	2	2	2	2
	PSU	2	2	4	4
Dimension (W*D*H)	Chassis(mm)	440*325*178	440*325*355	440*460*667	440*460*1154
	Packet(mm)	570*470*320	560*470*400	610*600*810	610*600*1250
Weight	Chassis(kg)	6.7	16.8	32	50
	Packet(kg)	1.6	2.2	5	6
Power	Empty(W)	41	120	170	280
Operation	Voltage	AC 100-240V,50-60Hz			
	Temperature	0-50℃（Running）、-10～60℃（While Stored)			
	Humidity	10%~80%（Running）、10%~90%（While Stored）			

Cards		Description
Input Card	Fiber Card	LC interface, 8 ports per card, collaborate with DB-Transmitter
	FHD Card	DVI, SD/HD/3G SDI, VGA, CVBS, HDMI, DP, 4 channels per card, resolution up to1920*1200@60
	4K Card	Dual-link DVI, 4K HDMI, 4K DP, 4K IP(H.265), 4K IP(H.265 4K)，2 channels per card. Resolution up to 4088*4088@15/4088*2160@30
Output Card	Fiber Card	LC interface, 8 port per card, collaborate with DB-Reciever
		LC interface, 4 port per card, collaborate with DB-Reciever with preview
		LC interface, 2 port per card, collaborate with DB-Reciever with preview and quad-views
	FHD Card	DVI-I, SD/HD/3G SDI, VGA, CVBS, HDMI, DP, IP, 4 channels per card. Resolution up to1920*1200@60，2/4/8 layer mode
	4K Card	Dual-link DVI, 4K HDMI, 4K DP, 4 channels per card. Resolution up to 4088*4088@15/4088*2160@30, 2/4/8 layer mode
Function Card	CPU Card	Support both IP & Serial port connection
	OSD Card	For OSD processing
	Preview Card	RJ45, preview 32x video input source each card

Tx/Rx		Transmitter	Receiver
Appearance			
Video Interface	FHD	DVI、SDI、HDMI、DP 1x signal input+1x loop out	DVI、SDI、HDMI、DP 1x signal output
	4K	4K HDMI、4K DP 1x signal input+1x loop out	4K HDMI、4K DP 1x signal output
Audio Interface		1x 3.5mm audio input+ 1x 3.5mm audio loop out+ 1x 6pin Phoenix terminal loop out	1x 3.5mm audio output+ 1x 6pin Phoenix terminal loop out
USB Interface		1x USB-B interface，connection with input source	2x USB-A interface，connection with K&M 2x USB-A interface，connection with USB devices (optional)
Fiber Interface		2x LC fiber interface	2x LC fiber interface
Resolution	FHD	1920*1200@60	
	4K	3840*2160@30	
SFP		SM/MM SFP	
Distance		300m-80km（depend on type of SFP and fiber)	
Parameter	Dimension	206.6*204.1*26.7(mm)(W*D*H)	
	Weight	0.485kg	
	Power	DC 12V/2A	
		15W	
	Humidity	10%~80%（Running）、10%~90%（While stored）	
	Temperature	0-45℃（Running）、-10～60℃（While stored）	
Chassis		**1U（Chassis）**	
Appearance			
Dimension(W*D*H)		444*206.6*44.7(mm) without holder 482.6*206.6*44.7(mm) with holder	
Input Voltage		90-264VAC	
Output Voltage		DC12V	
Output Power		102W	
Power Factor		0.91	
Weight		2.39kg	
Capability		4	
Humidity		40%~85%	
Temperature		0℃~40℃	

Function		Description
Main Function	Switching	up to 576x video/audio/KM signal seamless switching
		OSD menu for operation by mouse with live preview
		Support multi-Graphic source switching
	Video Wall	Support up to 4K@30 signal input/output
		Renaming of input source
		Auto detection of input source
		Input source cropping
		Video wall function, up to 8x windows per display
		Displaying output channel number
		Customize resolution
		EDID management
		Embedded audio switching
		Live preview
		Input labeling
		Multi-group video wall management.
		IP encoding/decoding
		Scenes saving and recalling
		Scenes carousel
	Work Station	Multi-server operating
		Seamless mouse and keyboard control across multiple screens
		Highlighting position of mouse among multiple screens
		Switching input signal with preview
		Quad-views on single screen
		Pushing sources between workstations and between workstation & video wall
		Follow content of any workstation screen
		Support USB-HID device
		Control video wall via mouse
		Audio volume adjusting
		Input signals management(rename、status、favorite)
		Secens saving and recalling
Stability	Hardware	Hot swapping
		Power redundancy
		No impact on video wall while removing CPU card
	Monitor and Alarm	Running status monitoring
		Information of hardware production
		Hardware status monitoring (Pattern)
		Temperature monitoring
		Alarm when failure
	Backup and upgrade	Support backup
		Online upgrading
Operation & Management	Operation	WEB base operation (Google Chrome)
		Third party device control(Crestron/AMX)
		DMIS control (need to integrate will DB-DMIS central controller)
		Support mutiple operating systems i.e. windows, linux, Android etc.
	Authority	Multi-level access management
		User authority management