Partner: AVPro Edge
Models: MXNet
Device Type: Network Switching

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet CEC v2.6
CATEGORY:	AVPro Edge MXNet
VERSION:	2.6
SUMMARY:	This module works in conjunction with the AVPro MXNet CommandProcessor v2.6 module for CEC control of one Edge MXNet decoder. The full suite of AVPro MXNet modules includes: • AVPro MXNet CommandProcessor v2.56 • AVPro MXNet Encoder v2.6 • AVPro MXNet Decoder v2.6 • AVPro MXNet SerialPort v2.6 • AVPro MXNet IRPort v2.6 • AVPro MXNet CEC v2.6 • AVPro MXNet DestinationRouter v2.6 • AVPro MXNet MultiDestinationRouter v2.6 • AVPro MXNet VW DecoderAssign v2.6 • AVPro MXNet VW Layout v2.6 • AVPro MXNet VW LayoutRecall v2.6 • AVPro MXNet 10G VW LayoutRecall v2.6 • AVPro MXNet Matrix PresetRecall v2.6 • AVPro MXNet Matrix Macro v2.6
GENERAL NOTES:	This module requires one instance of the AVPro MXNet CommandProcessor v2.6 module to register with and a matching instance of the AVPro MXNet Decoder v2.6
CRESTRON HARDWARE REQUIRED:	4-Series processor, 3-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet 1G Control Box v2.4 MXNet 1G Encoder v3.39 MXNet 1G Decoder v4.21 MXNet 10G Control Box v3.28 MXNet 10G Encoder v1.25 MXNet 10G Decoder v1.25
VENDOR SETUP:	N/A

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PARAMETERS:

Command_Processor_ID	The unique identifier of the command processor module that this module registers with.
Endpoint_Type	Select if this module will be associated with an encoder or decoder.
Matrix _Index	Specifies the unique index of the decoder this module is associated with.
Command_1_String.. **Command_10_String**	Text value of each property specifies the command to be sent by the corresponding **Command_X_Send** digital signal. The module will accept ASCII and standard Crestron formatted Hex values. The following examples are all valid: • Hello\r • Hello\x0D\x0A • \x48\x65\x6C\x6C\x6F\r \x48\x65\x6C\x6C\x6F\x0D\x0A

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CONTROL:

CEC_On_Command	D	Pulse to send the CEC On command.
CEC_Off_Command	D	Pulse to send the CEC Off command.
CEC_TX	S	Text value indicates a manual command to be sent.
CEC_Send	D	Pulse to send the command specified by the **CEC_TX** serial signal.
Command_1_Send.. Command_10_Send	D	Pulse signal 1 through 10 to send the command of the corresponding **Command_X_String** property. The module will accept ASCII and standard Crestron formatted Hex values. The following examples are all valid: • Hello\r • Hello\x0D\x0A • \x48\x65\x6C\x6C\x6F\r • \x48\x65\x6C\x6C\x6F\x0D\x0A

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FEEDBACK:

Is_Online_Fb	D	High to indicate that the matching endpoint is online and available for control. If the device is offline, no control will work.

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TESTING:

OPS USED FOR TESTING:	VC4 v4.0000.00007 CP4 v2.8001.00086.01 CP3 v1.8001.0214.01
SIMPL WINDOWS USED FOR TESTING:	4.2500.04
CRES DB USED FOR TESTING:	219.0500.001.00
DEVICE DATABASE:	200.28000.002.00
SYMBOL LIBRARY USED FOR TESTING:	1191
SAMPLE PROGRAM:	AVPro Edge MXNet v2.6 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release v1.1 – Fixed SerialPort transmitted and received data. – Made updates to allow a Wallplate Encoder to initialize with this suite. v1.2 – Isolated serial communication queue to provide device control responsiveness. – Corrected unsolicited data parsing impacting hotplug detected and resolution. v2.0 – Added “Offline” functionality. – Polling will happen more frequently but will only poll for one component’s states at a time. This prevents serial control from getting backed up behind a global system poll. v2.1 – Added volume support for applicable 10G decoders. – Added support for 10G videowall support with “10G VW Layout” v2.2 - Change 1G video wall input select to new faster API command v2.3 – Added CEC support for Encoders. v2.4 – Added Matrix PresetRecall and Matrix Macro module. V2.5 – Added video preview urls to encoder module. v2.6 – Reconnect time increased from 30 seconds to 90 seconds.

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