

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



## GENERAL INFORMATION

<b>SIMPLWINDOWS NAME:</b>	AVPro Edge MXNet IRPort v2.1
<b>CATEGORY:</b>	AVPro Edge MXNet
<b>VERSION:</b>	2.1
<b>SUMMARY:</b>	<p>This module works in conjunction with the AVPro MXNet CommandProcessor v2.1 module for IR control of one Edge MXNet encoder or decoder. The full suite of AVPro MXNet modules includes:</p> <ul style="list-style-type: none"><li>• AVPro MXNet CommandProcessor v2.1</li><li>• AVPro MXNet Encoder v2.1</li><li>• AVPro MXNet Decoder v2.1</li><li>• AVPro MXNet SerialPort v2.1</li><li>• AVPro MXNet IRPort v2.1</li><li>• AVPro MXNet CEC v2.1</li><li>• AVPro MXNet DestinationRouter v2.1</li><li>• AVPro MXNet MultiDestinationRouter v2.1</li><li>• AVPro MXNet VW DecoderAssign v2.1</li><li>• AVPro MXNet VW Layout v2.1</li><li>• AVPro MXNet VW LayoutRecall v2.1</li><li>• AVPro MXNet 10G VW LayoutRecall v2.1</li></ul>
<b>GENERAL NOTES:</b>	This module requires one instance of the AVPro MXNet CommandProcessor v2.1 module to register with and a matching instance of the AVPro MXNet Decoder v2.1 or AVPro MXNet Encoder v2.1
<b>CRESTRON HARDWARE REQUIRED:</b>	4-Series processor, 3-Series processor
<b>SETUP OF CRESTRON HARDWARE:</b>	N/A
<b>VENDOR FIRMWARE:</b>	MXNet 1G Control Box v2.34 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
<b>VENDOR SETUP:</b>	N/A

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## PARAMETERS:

<b>Command_Processor_ID</b>	The unique identifier of the command processor module that this module registers with.
<b>Endpoint_Type</b>	Select if this module will be associated with an encoder or decoder.
<b>Matrix_Index</b>	Specifies the unique index of the <b>Endpoint_Type</b> this module is associated with.
<b>Command_1_String..</b> <b>Command_10_String</b>	Text value of each property specifies the command to be sent by the corresponding <b>Command_X_Send</b> digital signal. IR formats Pronto and Global Cache are supported.

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**CONTROL:**

<b>IR_TX</b>	S	Text value indicates a manual command to be sent.
<b>IR_Send</b>	D	Pulse to send the command specified by the <b>IR_TX</b> serial signal.
<b>Command_1_Send.. Command_10_Send</b>	D	Pulse signal 1 through 10 to send the command of the corresponding <b>Command_X_String</b> property. IR formats Pronto and Global Cache are supported.

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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:

<b>OPS USED FOR TESTING:</b>	VC4 v4.0000.00007 CP4 v2.8001.00086.01 CP3 v1.8001.0214.01
<b>SIMPL WINDOWS USED FOR TESTING:</b>	4.2500.04
<b>CRES DB USED FOR TESTING:</b>	219.0500.001.00
<b>DEVICE DATABASE:</b>	200.28000.002.00
<b>SYMBOL LIBRARY USED FOR TESTING:</b>	1191
<b>SAMPLE PROGRAM:</b>	AVPro Edge MXNet v2.1 Demo.smw
<b>REVISION HISTORY:</b>	<p>v1.0 – Initial Release</p> <p>v1.1 – Fixed SerialPort transmitted and received data. – Made updates to allow a Wallplate Encoder to initialize with this suite.</p> <p>v1.2 – Isolated serial communication queue to provide device control responsiveness. – Corrected unsolicited data parsing impacting hotplug detected and resolution.</p> <p>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.</p> <p>v2.1 – Added volume support for applicable 10G decoders. – Added support for 10G videowall support with “10G VW Layout”</p>