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

GENERAL INFORMATION

SIMPLWINDOWS NAME:	AVPro Edge MXNet USP SerialPort v1.0
CATEGORY:	AVPro Edge MXNet USP
VERSION:	v1.0
SUMMARY:	This module works in conjunction with the AVPro MXNet USP CommandProcessor v1.0 module for RS-232 control of one MXNet USP encoder or decoder. The full suite of AVPro MXNet USP modules includes: • AVPro Edge MXNet USP CommandProcessor v1.0 • AVPro Edge MXNet USP Encoder v1.0 • AVPro Edge MXNet USP Decoder v1.0 • AVPro Edge MXNet USP SerialPort v1.0 • AVPro Edge MXNet USP IRPort v1.0 • AVPro Edge MXNet USP CEC v1.0 • AVPro Edge MXNet USP DestinationRouter v1.0 • AVPro Edge MXNet USP MultiDestinationRouter v1.0 • AVPro Edge MXNet USP VW DecoderAssign v1.0 • AVPro Edge MXNet USP VW Layout v1.0 • AVPro Edge MXNet USP VW LayoutRecall v1.0 • AVPro Edge MXNet USP Matrix PresetRecall v1.0 • AVPro Edge MXNet USP Matrix Macro v1.0 • AVPro Edge MXNet USP External Stream Source v1.0 • AVPro Edge MXNet USP Digital Signage v1.0 • AVPro Edge MXNet USP Multiview Layout v1.0
GENERAL NOTES:	This module requires one instance of the AVPro MXNet USP CommandProcessor v1.0 module to register with and a matching instance of the AVPro MXNet USP Decoder v1.0 or AVPro MXNet USP Encoder v1.0 Serial Control will not pass to the endpoint until the command processor is initialized. This is to limit the amount of traffic during the full system initialization process.
CRESTRON HARDWARE REQUIRED:	4-Series processor
SETUP OF CRESTRON HARDWARE:	N/A
VENDOR FIRMWARE:	MXNet USP Control Box V3.43 MXNet USP-ES v0.24.0 MXNet USP-PL v1.11.0 MXNet USP-PR v1.40.0
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 **Endpoint_Type** this module is associated with.
Baud_Rate	The baud rate setting for RS-232 communication. Possible values include 300-15200 bps.
Data_Bits	The data bits setting for RS-232 communication. Possible values include: • 7 • 8 (default)
Stop_Bits	The stop bits setting for RS-232 communication. Possible values include: • 1 (default) • 2
Data_Parity	The data parity setting for RS-232 communication. Possible values include: • N (none, default) • E (event) • O (odd)
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:

Crestron_Comm_Spec	S	Text value specifies the formatted information to configure the RS-232 port.
RS232_TX	S	Text value indicates a manual command to be sent.
RS232_Send	D	Pulse to send the command specified by the **RS232_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 Hex as per Crestron standard. 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_Initialized	D	Digital high indicates this RS-232 port block has been initialized with the command processor module and the comm port on the endpoint has been set.
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.
RS232_RX	S	Text value indicates data received from the device.

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TESTING:

OPS USED FOR TESTING:	CP4 2.8006.00110
SIMPL WINDOWS USED FOR TESTING:	4.3100.00
CRES DB USED FOR TESTING:	228.5000.003.00
DEVICE DATABASE:	200.44500.001.00
SYMBOL LIBRARY USED FOR TESTING:	1237
SAMPLE PROGRAM:	AVPro Edge MXNet USP v1.0 Demo.smw
REVISION HISTORY:	v1.0 – Initial Release

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