

<b>Video Standards</b>	HDMI 2.0 video specifications including HDR10, 3D video HDCP 2.2, 1.4 DVI (single link)
<b>Video Connectors</b>	ECHO-1S - (1) HDMI Input, (1) HDMI Output ECHO-4S - (1) HDMI Input, (1) HDMI Output ECHO-8S - (1) HDMI Input, (1) HDMI Output ECHO-RX2 - (2) HDMI Outputs
<b>Resolutions</b>	HDTV signal - 480p through 4K@60 4:4:4 DVI signal VGA (640x480) thru WUXGA (1920x1200)
<b>Audio</b>	Formats - LPCM 2CH Audio (32-192kHz sample rate) DTS-HD, DOLBY-HD
<b>Other Signals</b>	RS-232 ECHO-1S, ECHO-RX-2 (1) RX, TX and GND on Terminal Strip RS-232 pass-through  ECHO-4S, ECHO-8S (2) RX, TX and GND on Terminal Strip (Input and Loop Output) RS-232 Input Baud Rate: 115200, N, 8, 1 RS-232 Output to ECHO-RX2 Baud Rate: Configurable at 1200, 2400, 4800, 9600, 19200, 38400, 57600, or 115200
<b>IR</b>	Wide-band IR pass-through: 38 – 56 kHz supported  ECHO-1S, ECHO-RX-2 (1) 3.5mm IR Input (1) 3.5mm IR Output  ECHO-4S, ECHO-8S (2) 3.5mm IR Inputs (Input and Loop) (2) 3.5mm IR Outputs (Input and Loop)
<b>USB</b>	USB USB 2.0 Micro type B (for firmware update only)
<b>General</b>	Power Supply 100 VAC to 240 VAC, 47-63 Hz, External; 24 VDC  ECHO-1S, ECHO-RX-2 24 VDC 1A  ECHO-4S 24 VDC 4A  ECHO-8S MAIN: 24 VDC 2A PoC: 24 VDC 4A
<b>Temp/Humidity</b>	Storage: -40 to +158°F (-40 to +70°C) / 5% to 90%, non-condensing Operating: +14 to +131°F (-10 to +55°C) / 5% to 90%, non-condensing
<b>Typical Power Consumption</b>	ECHO-1S & ECHO-RX2 = 12W total ECHO-4S & ECHO-RX2 = 15W (Sender) 30W (PoC) ECHO-8S & ECHO-RX2 = 36W (Sender) 60W (PoC)
<b>Cooling</b>	Convection
<b>Enclosure type</b>	Metal (Steel)
<b>Dimensions</b>	ECHO-1S – 0.82" H x 6.06" W x 3.09" D (22.8mm H x 153.9mm W x 78.5mm D) ECHO-4S – 1.74" H x 10.64" W x 7.46" D (44.2mm H x 270mm W x 189.5mm D) ECHO-8S – 1.72" H x 18.9" W x 7.46" D (43.7mm H x 480mm W x 189.5mm D) ECHO-RX2 – 0.82" H x 6.06" W x 3.09" D (22.8mm H x 153.9mm W x 78.5mm D) (All dimensions include mounting flange width)
<b>Weight</b>	Product Shipping

<b>Safety</b>	CE
<b>EMI/EMC</b>	CE, FCC Class A
<b>MTBF</b>	90,000 hours (estimate)
<b>Warranty</b>	3 years parts and labor