Magenta Research 2320017-01 4-Port Extender (Receiver) with HDMI (HDCP)/Audio/RS-232/Two MMF SFP

Item	Description
DC input power	Provided by the CORE module. However, power consumption of this module alone is approximately 0.5 watts.
Video Support	Video output formats: • Maximum resolution supported = 1080p or 1920x1200. • Maximum color-depth = 24 bits per pixel (8 bits per color). • Maximum refresh rate = 60Hz at 1920x1200.
Audio Characteristics	This module automatically provides embedded HDMI-audio (if audio is available at the source AND if the EDID in the sink or display device supports it). * For analog-audio output, please use the ISA auxiliary module.
Connectors	(1) HDMI-output, (1) CORE docking connector
EDID/DDC	This module supports the EDID/DDC connections on the HDMI connector.
HDMI	Version 1.3b
HDCP	Version 1.1. Classification: HDCP Repeater Device
CEC	The HDMI "CEC" interface protocol is not currently supported. Note: The hardware is capable. A future firmware upgrade may enable this functionality.
Environmental	Operating temperature: 32 to 104°F (0 to 40°C). Storage temperature: -4 to +140°F (-20 to +60°C). Humidity: 80% RH, non- condensing.
Enclosure	Steel (0.040"/1mm thick). Powder-coat black paint, white epoxy graphics.
Serial Interface	RS232 standard serial interface. Reflects DCE pinout standard. Signals: TXD, RXD, RTS, CTS, DSR, DTR, DCD and RI. Speeds: 2400, 4800, 9600, 19200, 38400, 57600, 115200, 230400 Baud. Format: 8 data. 1 or 2 stop bits. no parity bit. Flow control: Hardware and software flow-control is available, configurable on/off. t Connector: DB9-Female, w/4-40 standoffs. **Note:** Speed and data format are software-configurable via ***MAGui***. The ISA hardware is capable hardware and software (Xon/Xoff) handshaking. However, this capability is not yet enabled by the firmware. Check with Magenta Research for applicable firmware updates.
Audio interface	Discrete Left and Right line-level audio. This module can function as an input (for TX) or output (for RX) device. The audio signal direction is under software control, and is selected automatically by the type of CORE module being used. **Audio-input mode (when used with VG-TX2 CORE):** Input voltage: 2V peak-to-peak, maximum. Input impedance: >= 10K ohms. Input coupling: AC (capacitive). Input sample rate: 48KHz Input frequency response: 20-20KHz, (at -3dB). **Audio-output mode (when used with VG-RX CORE):** Output voltage: 2V peak-to-peak, maximum. Output impedance: <= 100 ohms. Output coupling: AC (capacitive). Output sample rate: 48KHz Output frequency response: 20-20KHz, (at -3dB). Connector: 3.5mm (1/8") stereo-phono type jack.
System Size	Assumes a typical 3-module configuration consisting of: VIDEO + CORE + ISA modules, docked together: 1.75" (4.45cm)H x 7.75"(19.68cm)W x 5.25"(13.33cm)D Weight: 2.2lbs (.635kg)
MTBF	100,000 hours.