

# KVX DVI KVM extender comparison

KVX Series | Transmitter and receiver specifications by product model

| Specification                 | KVXLC-100-R2                                                                      | KVXLCF-100-R2                                                                       | KVXLC-200-R2                                                                        | KVXLCF-200-R2                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                               |  |  |  |  |
| Display configuration         | 1 display                                                                         | 1 display                                                                           | 2 displays                                                                          | 2 displays                                                                          |
| Maximum video resolution      | 1920 x 1200 at 60 Hz                                                              | 1920 x 1200 at 60 Hz                                                                | 1920 x 1200 at 60 Hz                                                                | 1920 x 1200 at 60 Hz                                                                |
| TRANSMITTER                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Video input (console)         | (1) DVI-D                                                                         | (1) DVI-D                                                                           | (1) DVI-D                                                                           | (1) DVI-D                                                                           |
| Serial connection port        | (1) DB9 Female                                                                    | (1) DB9 Female                                                                      | (1) DB9 Female                                                                      | (1) DB9 Female                                                                      |
| Local output video connection | (1) DVI-D                                                                         | (1) DVI-D                                                                           | (2) DVI-D                                                                           | (2) DVI-D                                                                           |
| USB interface                 | Host: (1) USB Type B                                                              | Host: (1) USB Type B                                                                | Host: (1) USB Type B                                                                | Host: (1) USB Type B                                                                |
| Serial (RS-232 extension)     | (1) DB9 female;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit        | (1) DB9 female;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit          | (1) DB9 female;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit          | (1) DB9 female;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit          |
| Link ports                    | (1) RJ-45; CATx; up to 100 m (330 ft)                                             | (1) SFP cage; up to 30 km                                                           | (2) RJ-45; CATx; up to 100m (330 ft)                                                | (2) SFP cages; up to 30 km                                                          |
| Audio                         | 2-way analog audio: (1) MIC (1) Speaker, 3.5mm                                    |                                                                                     |                                                                                     |                                                                                     |
|                               |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| RECEIVER                      |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Video output                  | (1) DVI-D                                                                         | (1) DVI-D                                                                           | (2) DVI-D                                                                           | (2) DVI-D                                                                           |
| Serial control port           | (1) DB9 male                                                                      | (1) DB9 male                                                                        | (1) DB9 male                                                                        | (1) DB9 male                                                                        |
| Link ports (TX / RX)          | (1) RJ-45; CATx; up to 100 m (330 ft)                                             | (1) SFP cage; up to 30 km                                                           | (2) RJ-45; CATx;<br>up to 100 m (330 ft)                                            | (2) SFP cages; up to 30 km                                                          |
| USB interface                 | (2) USB 2.0 Type A female + (2) USB HID ports; host:<br>N/A                       | (2) USB 2.0 Type A female + (2) USB HID ports; host:<br>N/A                         | (2) USB 2.0 Type A female + (2) USB HID ports; host:<br>N/A                         | (2) USB 2.0 Type A female + (2) USB HID ports; host:<br>N/A                         |
| Audio                         | 2-way analog audio: (1) MIC In, (1) Speaker Out                                   | 2-way analog audio: (1) MIC In, (1) Speaker Out                                     | 2-way analog audio: (1) MIC In, (1) Speaker Out                                     | 2-way analog audio: (1) MIC In, (1) Speaker Out                                     |
| Serial (RS-232 extension)     | (1) DB9 male;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit          | (1) DB9 male;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit            | (1) DB9 male;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit            | (1) DB9 male;<br>115,200 bps default; 8 data bits, no parity, 1 stop bit            |

## Compatible SFP modules

KVXLCF-100-R2: 1 SFP per unit (2 per TX/RX pair). KVXLCF-200-R2: 2 SFPs per unit (4 per pair). CATx models do not accept SFPs.

| SFP model | Description from compatible SFP table                                    | Distance |
|-----------|--------------------------------------------------------------------------|----------|
| LFP441    | 1.25-Gb SFP; 850-nm multimode fiber; LC                                  | 550 m    |
| LFP442    | 1.25-Gb SFP; 1310-nm single-mode fiber; LC                               | 20 km    |
| LFP412    | 1250-Mbps SFP with Extended Diagnostics; multimode fiber; 1310-nm        | 2 km     |
| LFP413    | 1250-Mbps SFP with Extended Diagnostics; single-mode fiber; 1310-nm      | 10 km    |
| LFP414    | 1250-Mbps SFP with Extended Diagnostics; single-mode fiber; 1310-nm      | 30 km    |
| LFP416    | 1250-Mbps SFP with Extended Diagnostics; 10/100/1000BASE-T; SGMII; RJ-45 | 100 m    |

SFPs are ordered separately

# KVX HDMI KVM extender comparison

KVX Series | Transmitter and receiver specifications by product model

| Specification                                  | KVXLCH-100                                                                        | KVXLCHF-100                                                                        | KVXLCH-200                                                                          | KVXLCHF-200                                                                         | KVXLCHDP-200                                                                        | KVXLCHDPF-200                                                                       |
|------------------------------------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                                                |  |  |  |  |  |  |
| Display configuration                          | 1 display                                                                         | 1 display                                                                          | 2 displays                                                                          | 2 displays                                                                          | 2 displays                                                                          | 2 displays                                                                          |
| Maximum video resolution                       | 3840 x 2160 at 30 Hz                                                              | 3840 x 2160 at 30 Hz                                                               | 3840 x 2160 at 30 Hz                                                                | 3840 x 2160 at 30 Hz                                                                | 3840 x 2160 at 30 Hz                                                                | 3840 x 2160 at 30 Hz                                                                |
| TRANSMITTER                                    |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Video input (console)                          | (1) HDMI                                                                          | (1) HDMI                                                                           | (2) HDMI                                                                            | (2) HDMI                                                                            | (1) HDMI, (1) DisplayPort                                                           | (1) HDMI, (1) DisplayPort                                                           |
| Serial connection port                         | (1) DB9 female                                                                    | (1) DB9 female                                                                     | (1) DB9 female                                                                      | (1) DB9 female                                                                      | (1) DB9 female                                                                      | (1) DB9 female                                                                      |
| Local output video connection                  | (1) HDMI                                                                          | (1) HDMI                                                                           | (2) HDMI                                                                            | (2) HDMI                                                                            | (1) HDMI, (1) DisplayPort                                                           | (1) HDMI, (1) DisplayPort                                                           |
| USB interface                                  | Host: (1) USB Type B                                                              | Host: (1) USB Type B                                                               | Host: (1) USB Type B                                                                | Host: (1) USB Type B                                                                | Host: (1) USB Type B                                                                | Host: (1) USB Type B                                                                |
| Serial (RS-232 extension)                      | (1) DB9 female; 115,200 baud fixed                                                | (1) DB9 female; 115,200 baud fixed                                                 | (1) DB9 female; 115,200 baud fixed                                                  | (1) DB9 female; 115,200 baud fixed                                                  | (1) DB9 female; 115,200 baud fixed                                                  | (1) DB9 female; 115,200 baud fixed                                                  |
| Link ports                                     | (1) RJ-45; CATx; up to 100 m (330 ft)                                             | (1) SFP cage; up to 30 km                                                          | (2) RJ-45; CATx; up to 100m (330 ft)                                                | (2) SFP cages; up to 30 km                                                          | (2) RJ-45; CATx; up to 100m (330 ft)                                                | (2) SFP cages; up to 30 km                                                          |
| Audio                                          |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| 2-way analog audio: (1) MIC (1) Speaker, 3.5mm |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| RECEIVER                                       |                                                                                   |                                                                                    |                                                                                     |                                                                                     |                                                                                     |                                                                                     |
| Video output                                   | (1) HDMI                                                                          | (1) HDMI                                                                           | (2) HDMI                                                                            | (2) HDMI                                                                            | (2) HDMI                                                                            | (2) HDMI                                                                            |
| Serial control port                            | (1) DB9 male                                                                      | (1) DB9 male                                                                       | (1) DB9 male                                                                        | (1) DB9 male                                                                        | (1) DB9 male                                                                        | (1) DB9 male                                                                        |
| Link port                                      | (1) RJ-45; CATx; up to 100 m (330 ft)                                             | (1) SFP cage; up to 30 km                                                          | (1) RJ-45; CATx; up to 100 m (330 ft)                                               | (1) SFP cage; up to 30 km                                                           | (1) RJ-45; CATx; up to 100 m (330 ft)                                               | (1) SFP cage; up to 30 km, depending on SFP                                         |
| USB interface                                  | (4) USB 2.0 Type A female                                                         | (4) USB 2.0 Type A female                                                          | (4) USB 2.0 Type A female                                                           | (4) USB 2.0 Type A female                                                           | (4) USB 2.0 Type A female                                                           | (4) USB 2.0 Type A female                                                           |
| Audio                                          | 2-way analog audio: (1) MIC In (1) Speaker Out                                    | 2-way analog audio: (1) MIC In (1) Speaker Out                                     | 2-way analog audio: (1) MIC In (1) Speaker Out                                      | 2-way analog audio: (1) MIC In (1) Speaker Out                                      | 2-way analog audio: (1) MIC In (1) Speaker Out                                      | 2-way analog audio: (1) MIC In (1) Speaker Out                                      |
| Serial (RS-232 extension)                      | (1) DB9 male; 115,200 baud fixed                                                  | (1) DB9 male; 115,200 baud fixed                                                   | (1) DB9 male; 115,200 baud fixed                                                    | (1) DB9 male; 115,200 baud fixed                                                    | (1) DB9 male; 115,200 baud fixed                                                    | (1) DB9 male; 115,200 baud fixed                                                    |

## Compatible SFP modules

Applies to KVXLCHF-100, KVXLCHF-200 and KVXLCHDPF-200. Hardware tables show 1 SFP cage per unit (2 per TX/RX pair), including dual-head models. CATx models do not accept SFPs.

| SFP model | Description from compatible SFP table                                    | Distance |
|-----------|--------------------------------------------------------------------------|----------|
| LFP441    | 1.25-Gb SFP; 850-nm multimode fiber; LC                                  | 550 m    |
| LFP442    | 1.25-Gb SFP; 1310-nm single-mode fiber; LC                               | 20 km    |
| LFP412    | 1250-Mbps SFP with Extended Diagnostics; multimode fiber; 1310-nm        | 2 km     |
| LFP413    | 1250-Mbps SFP with Extended Diagnostics; single-mode fiber; 1310-nm      | 10 km    |
| LFP414    | 1250-Mbps SFP with Extended Diagnostics; single-mode fiber; 1310-nm      | 30 km    |
| LFP416    | 1250-Mbps SFP with Extended Diagnostics; 10/100/1000BASE-T; SGMII; RJ-45 | 100 m    |

SFPs are ordered separately

# KVX DisplayPort KVM extender comparison

KVX Series | Transmitter and receiver specifications by product model

| Specification              | KVXLCDP-100                                                                       | KVXLCDPF-100                                                                        | KVXLCDP-200                                                                         | KVXLCDPF-200                                                                        |
|----------------------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|                            |  |  |  |  |
| Display configuration      | 1 display                                                                         | 1 display                                                                           | 2 displays                                                                          | 2 displays                                                                          |
| Maximum video resolution   | 3840 x 2160 at 30 Hz; TX: 8/10-bit in; RX: 8-bit out                              | 3840 x 2160 at 30 Hz; TX: 8/10-bit in; RX: 8-bit out                                | 3840 x 2160 at 30 Hz; TX: 8/10-bit in; RX: 8-bit out                                | 3840 x 2160 at 30 Hz; TX: 8/10-bit in; RX: 8-bit out                                |
| TRANSMITTER                |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Video output (console)     | (1) DisplayPort                                                                   | (1) DisplayPort                                                                     | (1) DisplayPort                                                                     | (1) DisplayPort                                                                     |
| Serial connection port     | (1) DB9 female                                                                    | (1) DB9 female                                                                      | (1) DB9 female                                                                      | (1) DB9 female                                                                      |
| Local out video connection | (1) DisplayPort                                                                   | (1) DisplayPort                                                                     | (2) DisplayPort                                                                     | (2) DisplayPort                                                                     |
| USB interface              | Host: (1) USB Type B female                                                       | Host: (1) USB Type B female                                                         | Host: (1) USB Type B female                                                         | Host: (1) USB Type B female                                                         |
| Serial (RS-232 extension)  | (1) DB9 female;<br>115,200 baud fixed                                             | (1) DB9 female;<br>115,200 baud fixed                                               | (1) DB9 female;<br>115,200 baud fixed                                               | (1) DB9 female;<br>115,200 baud fixed                                               |
| Link ports                 | (1) RJ-45; CATx; up to 100 m (330 ft)                                             | (1) SFP cages; up to 30 km                                                          | (2) RJ-45; CATx; up to 100m (330 ft)                                                | (2) SFP cages; up to 30 km                                                          |
| Audio                      | 2-way analog audio: (1) MIC (1) Speaker, 3.5mm                                    |                                                                                     |                                                                                     |                                                                                     |
|                            |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| RECEIVER                   |                                                                                   |                                                                                     |                                                                                     |                                                                                     |
| Video output               | (1) DisplayPort                                                                   | (1) DisplayPort                                                                     | (2) DisplayPort                                                                     | (2) DisplayPort                                                                     |
| Serial control port        | (1) DB9 male                                                                      | (1) DB9 male                                                                        | (1) DB9 male                                                                        | (1) DB9 male                                                                        |
| Link port [1]              | (1) RJ-45; CATx;<br>up to 100 m (330 ft)                                          | (1) SFP cage; up to 30 km, depending on SFP                                         | (1) RJ-45; CATx;<br>up to 100 m (330 ft)                                            | (1) SFP cage; up to 30 km, depending on SFP                                         |
| USB interface              | (4) USB 2.0 Type A female                                                         | (4) USB 2.0 Type A female                                                           | (4) USB 2.0 Type A female                                                           | (4) USB 2.0 Type A female                                                           |
| Audio                      | 2-way analog audio: (1) MIC In, (1) Speaker Out                                   | 2-way analog audio: (1) MIC In, (1) Speaker Out                                     | 2-way analog audio: (1) MIC In, (1) Speaker Out                                     | 2-way analog audio: (1) MIC In, (1) Speaker Out                                     |
| Serial (RS-232 extension)  | (1) DB9 male;<br>115,200 baud fixed                                               | (1) DB9 male;<br>115,200 baud fixed                                                 | (1) DB9 male;<br>115,200 baud fixed                                                 | (1) DB9 male;<br>115,200 baud fixed                                                 |

## Compatible SFP modules

Applies to KVXLCDPF-100 and KVXLCDPF-200. Hardware tables show 1 SFP cage per unit (2 per TX/RX pair), including dual-head models. CATx models do not accept SFPs.

| SFP model | Description from compatible SFP table                                    | Distance |
|-----------|--------------------------------------------------------------------------|----------|
| LFP441    | 1.25-Gb SFP; 850-nm multimode fiber; LC                                  | 550 m    |
| LFP442    | 1.25-Gb SFP; 1310-nm single-mode fiber; LC                               | 20 km    |
| LFP412    | 1250-Mbps SFP with Extended Diagnostics; multimode fiber; 1310-nm        | 2 km     |
| LFP413    | 1250-Mbps SFP with Extended Diagnostics; single-mode fiber; 1310-nm      | 10 km    |
| LFP414    | 1250-Mbps SFP with Extended Diagnostics; single-mode fiber; 1310-nm      | 30 km    |
| LFP416    | 1250-Mbps SFP with Extended Diagnostics; 10/100/1000BASE-T; SGMII; RJ-45 | 100 m    |

SFPs are ordered separately