

An ADDERView Matrix C100 Series ZeroU[™] IP KVM dongle for extension and matrix of video, audio and USB over a single cable.

The ADDERView Matrix C110 DP is a ZeroU[™] Computer Access Module (CAM) with a DisplayPort connecter to enable computer systems to be attached to an ADDERView Matrix KVM system.

ADDERView[®] Matrix C110 (DisplayPort)



Features



ZeroU[™] Form Factor

The ADDERView Matrix C100 Series takes ZeroU of rack space in the server room allowing for ultimate flexibility and ease of installation.



USB Powered

Using less than 3 Watts, the device can be powered from USB. This means there is no need for an external PSU. Options for powering from an external PSU or redundant PSU are also available.



USB 2.0 with Class Control

Supports USB devices including graphics tablets, jog shuttles, joysticks, card readers and 3D explorers, alongside mass storage devices. The system can disable types of devices.



Perfect Digital Video in Real-Time

Using a spatially-lossless encoding system, with 1:1 pixel mapping, the device provides pixel-perfect and color accurate video with no artifacts.





Support for Dithered Video

Allows dithered analog or noisy video to pass through the system. Some Mac computers use this technique.



EDID Management

Intelligent EDID management allows either the true characteristics of the monitor to be passed back to the computer or a fixed one.



Digital Audio

The system can deliver USB stereo audio (bi-directional) or embedded video standard stereo audio (uni- directional).



Plug and Play

ADDERView Matrix devices are delivered in a zero config state so you can plug them in and start working on them straight away. There is no need for drivers or software to be installed.

Maximum Resolution (1 Screen)2560 × 1600Frame Rate (1 Screen)60Color Depth (1 Screen)8 bpcComputer Connections2 × 2.0, True Emulation, Full Speed, Low Speed, High SpeedFull Size DisplayPort1 × 1.1 (dual mode)Link Ports8 × 2.0, True Emulation, Full Speed, Low Speed, High SpeedAudio Connections1 ×Audio Connections1 ×Audio Connections2 ×Audio DirectionBi-directionalAudio DirectionBi-directionalAudio DirectionDigital Audio 2 channel linear PCMSize (bit)16Speed (Hz)48Audio I Port100m / 328ftCable Requirements100m / 328ftChromentalIsober Condensing)Network Support0 to 50 °C / 32 to 122 °FStorage Temperature Range °C / °F0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altiude m/ft2.000 / 6562Mean Time Between Failure (MTBF)868,000Marce SupportSicoForenzer RegulationFanlessPower SourceSico	Video Information (1 Screen)	
Color Depth (1 Screen)8 bpc2x 2.0, True Emulation, Full Speed, Low Speed, High SpeedFull Size DisplayPort1x 1.1 (dual mode)Link Ports1x8p8c (RJ45)1xAudio Connections1xAudio TypeDigitalChannels2xAudio DirectionBi-directionalAudio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (KH2)48Audio In Port1x USBCable Requirements100m / 328ftCable Requirements100m / 328ftChronental0 to 50 °C / 32 to 122 °FStorage Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Temperature Range °C / °F868,000MIBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ SSCMarchardTelcordia SR332 Issue 4 March 2016 Calculated @ SSCTemperature RegulationTelcordia SR332 Issue 4 March 2016 Calculated @ SSC <th>Maximum Resolution (1 Screen)</th> <th>2560 x 1600</th>	Maximum Resolution (1 Screen)	2560 x 1600
Computer ConnectionsUSB A2x 2.0, True Emulation, Full Speed, Low Speed, High SpeedFull Size DisplayPort1x 1.1 (dual mode)Link Ports8p5c (R)45)8p5c (R)45)1xAudio ConnectionsIxAudio TypeDigitalChannels2xAudio DirectionBi-directionalAudio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (KHz)48Audio In Port1x USBCable RequirementsUom / 328ftCATSe and above100m / 328ftNetwork SupportSeed (D) SupportBandwidth1GbE10/100 Support0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55C	Frame Rate (1 Screen)	60
USB A2x 2.0, True Emulation,Full Speed,Low Speed,High SpeedFull Size DisplayPort1x 1.1 (dual mode)Link PortsTypeByBc (RJ45)1xAudio ConnectionsDigitalAudio TypeDigitalChannels2xAudio DirectionBi-directionalAudio DirectionDigital Audio 2 channel linear PCMSize (bit)16Speed (kHz)48Audio In Port1x USBCATSe and above100m / 328ftNetwork Support100m / 328ftBandwidth1GbE10/100 Support0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ S5C	Color Depth (1 Screen)	8 bpc
SpeedFull Size DisplayPort1x 1.1 (dual mode)Link PortsBp8c (RJ45)1xAudio ConnectionsDigitalAudio TypeDigitalChanels2xAudio DirectionBi-directionalAudio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (KH2)48Audio In Port1x USBCable Requirements100m / 328ftCATSe and above100m / 328ftNetwork Support1Bandwidth1GbE10/100 Support0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ S5C	Computer Connections	
Full Size DisplayPort 1x 1.1 (dual mode) Link Ports ByBc (RJ45) 1x Audio Connections Juital Audio Type Digital Channels 2x Audio Direction Bi-directional Audio Additional Information Digital Audio 2 channel linear PCM Size (bit) 16 Speed (kHz) 48 Audio In Port 1x USB Cable Requirements Uoom / 328ft CATSe and above 100m / 328ft 10/100 Support No Environmental Voor / 32 to 122 °F Operating Temperature Range °C / °F 0 to 50 °C / 32 to 122 °F Operating Humidity (%) 10% - 90% (non-condensing) Storage Temperature (MTBF) 868,000 Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C	USB A	2x 2.0, True Emulation,Full Speed,Low Speed,High
Link PortsBpBc (R)45)1xAudio ConnectionsAudio TypeDigitalChannels2xAudio DirectionBi-directionalAudio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (kHz)48Audio In Port1x USBCable Requirements2CAT5e and above100m / 328ftNetwork Support1Bandwidth1GDE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altide m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless		Speed
8p8c (RI45)1xAudio ConnectionsAudio TypeDigitalChannels2xAudio DirectionBi-directionalAudio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (kHz)48Audio In Port1x USBCable Requirements100m / 328ftCATSe and above100m / 328ftNetwork Support1Bandwidth1GBE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Full Size DisplayPort	1x 1.1 (dual mode)
Audio Connections Audio Type Digital Channels 2x Audio Direction Bi-directional Audio Additional Information Digital Audio 2 channel linear PCM Size (bit) 16 Speed (kHz) 48 Audio In Port 1x USB Cable Requirements 100m / 328ft CATSe and above 100m / 328ft Network Support 1GbE Bandwidth 1GbE 10/100 Support No Environmental Uoto 50 °C / 32 to 122 °F Operating Temperature Range °C / °F 0 to 50 °C / 32 to 122 °F Operating Humidity (%) 10% - 90% (non-condensing) Storage Humidity (%) 10% - 90% (non-condensing) Altitude m/ft 2,000 / 6562 Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C Temperature Regulation Failess	Link Ports	
Audio TypeDigitalChannels2xAudio DirectionBi-directionalAudio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (kHz)48Audio In Port1x USBCable Requirements100m / 328ftCAT5e and above100m / 328ftNetwork SupportIGbEBandwidth1GbE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	8p8c (RJ45)	1x
Channels2xAudio DirectionBi-directionalAudio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (kHz)48Audio In Port1x USBCable Requirements100m / 328ftCAT5e and above100m / 328ftNetwork SupportBandwidthBandwidth1GbE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Audio Connections	
Audio DirectionBi-directionalAudio DirectionDigital Audio 2 channel linear PCMSize (bit)16Speed (kHz)48Audio In Port1x USBCable Requirements100m / 328ftCAT5e and above100m / 328ftNetwork SupportIGbEBandwidth1GbE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55C	Audio Type	Digital
Audio Additional InformationDigital Audio 2 channel linear PCMSize (bit)16Speed (KHz)48Audio In Port1x USBCable Requirements100m / 328ftCAT5e and above100m / 328ftNetwork SupportBandwidthBandwidth1GbE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Channels	2x
Size (bit) 16 Speed (kHz) 48 Audio In Port 1x USB Cable Requirements CAT5e and above 100m / 328ft Network Support Bandwidth 1GbE 10/100 Support No Environmental Operating Temperature Range °C / °F 0to 50 °C / 32 to 122 °F Storage Temperature °C / °F Range 0to 50 °C / 32 to 122 °F Storage Temperature °C / °F Range 0to 50 °C / 32 to 122 °F Storage Temperature °C / °F Range 0to 50 °C / 32 to 122 °F Storage Humidity (%) 10% - 90% (non-condensing) Storage Humidity (%) 10% - 90% (non-condensing) Altitude m/ft 2,000 / 6562 Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C Temperature Regulation Failure ME	Audio Direction	Bi-directional
Speed (kHz) 48 Audio In Port 1x USB Cable Requirements 100m / 328ft CAT5e and above 100m / 328ft Network Support 16bE Bandwidth 1GbE 10/100 Support No Environmental 0 to 50 °C / 32 to 122 °F Operating Temperature Range °C / °F 0 to 50 °C / 32 to 122 °F Operating Humidity (%) 10% - 90% (non-condensing) Storage Humidity (%) 10% - 90% (non-condensing) Altitude m/ft 2,000 / 6562 Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C Temperature Regulation Fanless	Audio Additional Information	Digital Audio 2 channel linear PCM
Audio In Port1x USBAudio In Port1x USBCable Requirements100m / 328ftCAT5e and above100m / 328ftNetwork SupportIGbEBandwidth1GbE10/100 SupportNoEnvironmentalOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FOperating Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Size (bit)	16
Cable RequirementsCAT5e and above100m / 328ftNetwork SupportIGbEBandwidth1GbE10/100 SupportNoEnvironmentalOperating Temperature Range °C / °FOperating Temperature °C / °F Range0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Speed (kHz)	48
CAT5e and above100m / 328ftNetwork SupportIGbEBandwidth1GbE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Audio In Port	1x USB
Network Support Bandwidth 1GbE 10/100 Support No Environmental 0 to 50 °C / 32 to 122 °F Operating Temperature Range °C / °F 0 to 50 °C / 32 to 122 °F Storage Temperature °C / °F Range 0 to 50 °C / 32 to 122 °F Operating Humidity (%) 10% - 90% (non-condensing) Storage Humidity (%) 10% - 90% (non-condensing) Altitude m/ft 2,000 / 6562 Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C Femperature Regulation	Cable Requirements	
Bandwidth1GbE10/100 SupportNoEnvironmental0 to 50 °C / 32 to 122 °FOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	CAT5e and above	100m / 328ft
10/100 SupportNoEnvironmentalOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Network Support	
EnvironmentalOperating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Bandwidth	1GbE
Operating Temperature Range °C / °F0 to 50 °C / 32 to 122 °FStorage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	10/100 Support	No
Storage Temperature °C / °F Range0 to 50 °C / 32 to 122 °FOperating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Environmental	
Operating Humidity (%)10% - 90% (non-condensing)Storage Humidity (%)10% - 90% (non-condensing)Altitude m/ft2,000 / 6562Mean Time Between Failure (MTBF)868,000MTBF StandardTelcordia SR332 Issue 4 March 2016 Calculated @ 55CTemperature RegulationFanless	Operating Temperature Range °C / °F	0 to 50 °C / 32 to 122 °F
Storage Humidity (%) 10% - 90% (non-condensing) Altitude m/ft 2,000 / 6562 Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C Temperature Regulation Fanless	Storage Temperature °C / °F Range	0 to 50 °C / 32 to 122 °F
Altitude m/ft 2,000 / 6562 Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C 55C Temperature Regulation Fanless	Operating Humidity (%)	10% - 90% (non-condensing)
Mean Time Between Failure (MTBF) 868,000 MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C 55C Temperature Regulation Fanless	Storage Humidity (%)	10% - 90% (non-condensing)
MTBF Standard Telcordia SR332 Issue 4 March 2016 Calculated @ 55C 55C Temperature Regulation Fanless	Altitude m/ft	2,000 / 6562
55C Temperature Regulation Fanless	Mean Time Between Failure (MTBF)	868,000
Temperature Regulation Fanless	MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @
<u> </u>		55C
Power Source	Temperature Regulation	Fanless
	Power Source	

USB powered	2x
5V	1x
Power Additional Information	USB power: 2x USB2.0 (2x 500mA @5V) 5W• External
	power: 5VDC, 1A, (LPS)
Power Consumption	
Maximum Power (Watts)	5
Typical Power (Watts)	3
Physical Design	
Construction Material	ABS and aluminum construction
U size	0
Width (mm) / (in.)	55 / 2.2
Height (mm) / (in.)	25 / 1
Depth (mm) / (in.)	110 / 4.3
Flying Lead Length (mm)	300
Weight (kg) / (lb)	0.2 / 0.4
Compatibility	
OS Compatibility	All known operating systems
System Requirements	Requires source to be DisplayPort Dual-Mode
	(DP++) compliant
Approvals and Standards	
Approvals	CE, cULus - E476334, FCC, ICES, KC, UKCA
Standards	ANSI 63.4, EN55032 /CISPR 32, EN55035/CISPR 35,
	EN63000, FCC pt15B, ICES003
Other	Cal Prop 65, China ROHS, EU REACH, UK REACH
Packing Box	
Length (mm) / (in.)	292 / 11.5
Width (mm) / (in.)	245 / 9.6
Depth (mm) / (in.)	55 / 2.2
Weight (kg) / (lb)	0.5 / 1.1



What's in the Box?

1x ADDERView Matrix C110 Computer Access Module (DisplayPort)

1x Quick start guide

Ordering Information

AVM-C110-CAM-DP AVM C110 Computer Access Module (DisplayPort)

Related Accessories (Sold Separately)

ADDER[®] Power Supply Unit 5volt DC 2.5A

ADDER[®] PSU RED PRO 12V to 5V DC converter

Adder and the Adder logo are trademarks of Adder Technology Ltd, Cambridge, UK. All other trademarks are the property of their respective owner and may be registered in the United States Patent and Trademark Office and in other countries. Information contained in this data sheet is up-to-date and correct as at the date of issue. As Adder Technology cannot control or anticipate the conditions under which this product may be used, each user should review the information in the specific context of planned use. Images are for illustrative purposes only. Adder reserves the right to make changes to this specification without notice.

Copyright 2025 | Adder Technology Ltd.