



A single video head User Station (USR) for extension and matrix of video, audio and USB over a single cable.

Part of the ADDERView Matrix C1000 Series, the ADDERView Matrix C1100 USR enables the use of standard infrastructure to extend the user away from the computer equipment and infrastructure.

ADDERView® Matrix C1100 User Station

Matrix

Features



Flexible and Scalable

Each ADDERView Matrix C1100 USR is the master controller of its own matrix and can have up to 16 sources programmed into its target list. A Computer Access Module (CAM) can connect to up to 256 different user stations.



Fast Video and USB Switching

The switching time between computers is less than one second to provide a high quality user experience. Switching can be achieved by using an On Screen Display (OSD) or by Hotkeys from a keyboard or external device.



Unlimited Extension Distances

Extension distance is not limited to a single 100 meter cable length. If you need to extend further, the unit is fitted with an SFP cage to accept fiber optic transceivers for much greater distances.



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. The digital video received is the same as the digital video leaving the remote computer.



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, meaning there is no need to physically block USB ports.



API control

Users can remotely control their ADDERVIEW MATRIX network using a RESTful API via HTTPS. Conforming to the OpenAPI 3.1.0 specification it can be controlled via many 3rd party controllers such as the Elgato Stream deck or Studio.



Sharing and Collaboration

The system allows any user station to connect to any computer access module so different users can share a resource at the same time.



2k Resolution Support

The ADDERView Matrix C1100 supports up to 2560 x 1600@60 Hz resolutions and can also support 1920 x 1200 up to 120Hz



EDID Management

Intelligent EDID management allows either the true characteristics of the monitor to be passed back to the computer or a fixed one. This ensures perfect video display without additional configuration.



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.

Video Information (1 Screen)	
Maximum Resolution (1 Screen)	2560 x 1600
Frame Rate (1 Screen)	60
Color Depth (1 Screen)	8 bpc
Console Connections	
USB A	4x 2.0, True Emulation,Full Speed,Low Speed,High Speed
Full Size DisplayPort	
Link Ports	
8p8c (RJ45)	1x
SFP	1x
Audio Connections	
Audio Type	Analog/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
Audio Out Port	1x 3.5mm jack
Cable Requirements	
CAT5e and above	100m / 328ft
Network Support	
Bandwidth	1GbE
10/100 Support	No
Environmental	
Operating Temperature Range °C / °F	0 to 40 °C / 32 to 104 °F
Storage Temperature °C / °F Range	0 to 40 °C / 32 to 104 °F
Operating Humidity (%)	10% - 90% (non-condensing)
Storage Humidity (%)	10% - 90% (non-condensing)
Altitude m/ft	2,000 / 6562
Mean Time Between Failure (MTBF)	340,000
MTBF Standard	Telcordia SR332 Issue 4 March 2016 Calculated @ 55C

Temperature Regulation	Fanless
Power Source	
12V 3-pin	1x
Input Power Supply	External Power Supply Unit (see manual)
Power Consumption	
Maximum Power (Watts)	18
Typical Power (Watts)	7
Physical Design	
Construction Material	Robust metal construction
U size	1
Width (mm) / (in.)	186 / 7.3
Height (mm) / (in.)	39 / 1.5
Depth (mm) / (in.)	150 / 5.9
Weight (kg) / (lb)	1.1 / 2.4
Approvals and Standards	
Approvals	CE,cULus - E476334,FCC,ICES,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



What's in the Box?

1x ADDERView Matrix C1100 User Station

1x PSU-IEC-12VDC-1.5A: Mains power supply

1x IEC PSU cable of country code

Ordering Information

AVM-C1100-USR ADDERView Matrix C1100 User Station

Related Accessories (Sold Separately)

ADDER® Rackmount Kit RMK15

Blanking plate for RMK15

ADDER® SFP-SM-LC

ADDER® SFP-MM-LC

ADDER® VSCD19 DisplayPort™ v1.2 to HDMI® cable

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.