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## RNA 300 Series

Desktop Real-Time KVMA-over-IP Network Adaptor

**Rugged Displays and Computing: Networked Visualisation**

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Deploy real-time, pixel-perfect video and multi-user desktop distribution with open-standard networks and streaming.

Rugged RNA Adaptors encode and decode desktop content (video, audio, USB) to and from standard IP streams, enabling collaboration and recording in multi-user environments.

### **Real-Time KVMA Switching over Standard Networks**

The RNA Series of Real-Time Network Adaptors provides desktop distribution (DVI-D, audio, USB-HID) via standard IP streams and 10G network switches. These devices enable real-time pixel-perfect remote desktops for multiple users accessing multiple computers.

### **Designed for Defence Critical Applications**

RNA devices are ruggedised and MIL-STD qualified. They also feature advanced failover configurations and builtin monitoring mechanisms to ensure continuous system availability.

### **Flexible Configuration**

The RNA adaptors are highly flexible and can be configured as a decoder, encoder, or both. They support simultaneous streaming of uncompressed and compressed data which enables remote collaboration and screen recording.

### **Multi-Desktops for Display Consolidation**

The RNA decoders allow real-time compositing of multiple high-resolution sources per output display, supporting concurrent control of multiple remote computers from a single HMI. Compositing can also be used for displaying multiple sources on overview displays.

## Product Specifications

<b>Streaming Video Standards</b>	IETF RFC4175 (uncompressed) IETF RFC3984 (H.264)
<b>Video</b>	Up to 4x SL DVI-D at 1920x1200, 60Hz Up to 2x DL DVI-D at 2560x1600 or 2048x2048 inputs/outputs in any combination
<b>Input Devices</b>	1x USB type B to host 4x USB type A to HMI devices
<b>Audio</b>	2x Line-in/Line-out 1x Mic-in 1x Headset out
<b>Safe Pass-Through</b>	DVI, Audio, USB
<b>GPIO</b>	2x Discrete Inputs 2x Discrete Outputs
<b>Network Connections</b>	2x 10GBase-SR or 1000BASE-T
<b>Dimensions</b>	44.9 mm x 193.5 mm x 300.45 mm
<b>Weight</b>	± 1.64 kg (excluding external power supply)
<b>System Availability</b>	Failover modes Built-in monitoring (I/Os and network faults) MTBF: Naval Sheltered typ. 20,000 h @ 25°C
<b>Setup/Control</b>	Control REST API via https Configuration via web service
<b>Power</b>	40 W (typical)
<b>ENVIRONMENTAL CONDITIONS</b>	
<b>Vibration Operational</b>	IEC 60068-2-64 0.5 g RMS, 10-100 Hz random
<b>Shock</b>	IEC 60068-2-27 3g - 6 ms half sine IEC 60068-2-31 drop only
<b>Operating Temperature</b>	IEC 60068-2-1/2 Operating: 0 to 40°C Storage: -20 to 60°C
<b>Humidity</b>	IEC 60068-2-78 85% @ 35°C non-condensing, duration 72 hrs
<b>Altitude Low Pressure</b>	IEC 60068-2-13 operating up to 15,000 ft non-operating up to 40,000 ft

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All specifications are subject to change without notice  
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