

# TEK4 Pro TekMonitor

## 70005 Data Sheet

The TEK4 Pro TekMonitor is the 4<sup>th</sup> generation of TEKVOX's series of TekMonitor networked A/V controllers. This family of controllers is designed as the heart of remotely-monitored, distributed control and management systems, complete with interchangeable device drivers and advanced asset management. The TEK4 Pro includes significantly upgraded memory and I/O, as well as a powerful ARM-based processor running a Linux operating system. Dual Ethernet ports and an internal DHCP server allow the TEK4 Pro to generate a secure, local A/V network, reducing the number of network connections needed for complex systems and ensuring continued system operation during network outages. It is also powered via PoE (Power Over Ethernet) for streamlined cabling and installation.

The TEK4 Pro includes dual TekSecurity ports, allowing it to provide real-time anti-theft protection for multiple displays at once. It is fully compatible with all TEKVOX configuration, programming, remote monitoring, and enterprise management tools, and will operate seamlessly in place of any previous generation of TekMonitor.

### Features:

- Dual Ethernet ports and internal DHCP server for local A/V network
- Supports TekSecurity anti-theft protection for two displays or projectors
- Analog input and output for voice communication/recognition applications
- Simultaneous, independent serial control of up to 6 devices
- Powerful NXP i.MX ARM processor for open, scalable performance
- Ultra-low (<3W) power consumption
- Javascript and Lua scripting capability
- General-purpose USB 2.0 OTG port for flexible interfacing with other devices



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## 70005 Technical Specifications

<b>Ethernet Interface</b>	2x RJ45, Female
<b>Data Rate</b>	10/100Base-T, half-full duplex with auto-negotiation
<b>TekSecurity (S1 &amp; S2)</b>	2x RS232 (RJ12, Female)
<b>RS232 Interface (S3)</b>	3-pin terminal block, female
<b>Occupancy Sensor Interface (OCC)</b>	3-pin terminal block, female
<b>Flexible I/O Interface (GPIO)</b>	RJ45, Female
<b>RS232 Interface (S4, S5)</b>	2x RJ45, Female
<b>RS232/RS485 Interface (S6)</b>	1x RJ45, Female
<b>Audio Input</b>	3.5mm mini jack, line level
<b>Audio Output</b>	3.5mm mini jack, line level
<b>Processor</b>	NXP iMX6ULL, single Cortex-A7 core SoC @ 900 Mhz
<b>Memory</b>	512 MB 400 Mhz DDR3 Memory
<b>Storage</b>	8 GB eMMC storage
<b>Operating System (OS)</b>	Embedded Linux Operating System w/ Javascript and DHCP server support
<b>Scripting Support</b>	C# via .Net 8 Core, Nodejs, and Lua
<b>Power Supply</b>	Power over Ethernet (PoE) via LAN 2
<b>Temperature</b>	32 ~ 122°F (0 ~ 50°C)
<b>Enclosure Type</b>	Aluminum
<b>Product Dimensions</b>	6.9" (176mm) x 3.4" (86mm) x 1.5" (39mm)
<b>Product Weight</b>	0.65 lbs. (294g)
<b>Compliances</b>	FCC Class B, Canadian ICES-003, CE

Specifications are subject to change without notice

