

AV-PORTAL IO 64

Industrial controller for the AV industry.

Ethernet-based modular system to distribute control data over a wide area.



Features

- 64 channels of Ethernet IO
- 32 inputs per location
- 32 outputs per location
- Choice of polarity on IO modules
- 100M Ethernet
- DIN Rail mounting
- Fully expandable to Portal Modular
- Spring contact removable connectors for quick and easy wiring
- IO physical addin to a software system

Examples

Distribution of control over a wide area, without compromise.

Animatronic control

Site-wide DC cabling with less cost

Triggered event inputs distributed to other areas and screens

Provides a physical control output for a software device such as a hand-held iPod remote

AV-PORTAL FAMILY



The AV-Portal system was developed by 1602 Group to provide a suite of control products designed from the ground up for the professional AV industry. AV-Portal IO 64 is a fixed specification system but works as part of the AV-Portal system. AV-Portal IO Modular expands the IO system almost infinitely for large sites with multiple nodes and many channels of IO. AV-Portal also has recorders, sequencers and audio players all controllable from touchscreen apps or a wide variety of other data sources through AV-Portal Translator. AV-Portal uses MIDI and timecode but can also translate from Ethernet IP.

TECHNICAL

| | |
|----------------------|---|
| Hardware: | Each node is powered by an embedded processor which controls 2 modules |
| Max number of nodes: | Only limited by available IP addresses |
| Network: | RJ45 with Optional Fiber |
| | One to one or one to many allows data to be pushed out to many locations in real-time |
| Protocol: | UDP over IP for rapid low latency data transfer. Super efficient propriety data-stream converts to standard protocols at each node. |
| Latency: | 3 Milli-Second constant under all conditions |
| Modules: | 32 circuits input or output selectable in software 1.4A DC both polarities available |
| | 32 HD circuits input or output selectable in software 2.5A DC both polarities available |
| Mounting: | TS35 DIN rail, Processor 90mm and modules 70mm |
| Power: | External, DC 10 - 36V DC |
| Distance: | 100m between nodes CAT5e or long haul by fiber specification |

ABOUT

We have been designing and manufacturing real-time embedded control systems for the entertainment industry since 1968. From the very beginning we have worked hard to be the creative person's source of technological solutions. All of our systems are designed to perform reliably for many years but also be intuitive to use and support creative inspiration.

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