

Raven Solutions

Analog Orderwire



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Raven 416 Series Orderwire System • Time proven reliability • Modularized versatility

Engineers, technicians and installers need clear and dependable communications among sites. It's just too costly to add the burden of poor communications to your maintenance or installation workload. The Raven Analog Orderwire is a time proven solution to your communications needs. Reliability and flexibility are what has made the Raven Analog Orderwire the orderwire of choice for the past 30 years. Reduced costs through efficient and timely installation and maintenance make the Raven Analog Orderwire your best choice for analog communications today.

You have a small network and only need simple communications. The Raven E&M Orderwire is a simple "Party Line" communications link with "Tone Signaling" to alert stations that communication is requested.

You are the project leader and have important information for your crew but you are not sure where they are. The Raven Analog DTMF Orderwire

"All Call" feature will alert all orderwire sites. Your team members can pick up and initiate a "Party Line" communication link to you.

Perhaps you know where your team member is and need "Private" communications with him/her. The Raven Analog Orderwire with the "Privacy Module" uses DTMF to select the desired site and will "Busy Out" all orderwire except the originating and target sites.

30 Years of Refinement

May be you have two networks that cross and you want all orderwire interconnected. The Raven Analog Orderwire with our six way bridge module will bridge up to five networks. Any orderwire on any leg will be able to call and talk to any orderwire on any leg.

You may have a "Star Network" configuration with six networks and you want each network isolated. The Raven six-channel Analog Orderwire offers private communications with up to six different networks. Each network is isolated but the CO orderwire is able to select any network and initiate DTMF calls to any orderwire on the selected network.

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Benefits

- Front panel speaker, handset and headset connectors
- Front panel volume control
- Input / Output levels adjustable from -46 dbm to +7 dbm
- Up to six channel operation
- Front panel test points for ease of alignment
- DTMF selective signaling with "All Call" capabilities
- 12, 16 key DTMF keypad, or no DTMF options
- Wide range of input / output impedances
- Low pass, Band pass, High pass filter options
- Fault detect and recover (SONET) capabilities
- Manual or DTMF controlled line select for multiple large groups interconnect
- Extended bridging options
- User specified tone alert frequencies for in band or out of band signaling
- Desk top telephone option
- Switched Network Interface

You are the project leader and want to use your desk phone to call up sites. The Raven Analog Orderwire with the "Telephone Interface Module" allows the any desktop phone to be "Plugged" into the network. With it's own unique code it can ring with or separately from the orderwire.

You have a consulting engineer in a different city who needs to talk to an orderwire site. Using the "Switched Network Interface" module with the Raven Analog Orderwire allows network sites to call any phone anywhere in the world. Any phone, world wide, can dial up any site on your network through the Raven "Switched Network Interface" (USA) or the "European Network Interface (Europe).

Modularized Versatility

You have a large number of sites and want to group them for easier communications. Large networks can be "Grouped" in order to make site to site communications more available. One group is able to carry on local communications while another group does the same. The two groups can be connected through the Raven Line Select module. Using DTMF any group can be selected and any orderwire in the group can be dialed up.

Communications are critical. The Raven Analog Orderwire can be configured with a specialized "Line Select" module. This module, when properly configured, will detect network faults and automatically reroute signals to maintain communications integrity.

Custom Engineering Available

Your installation requires data communications over your orderwire. The Raven Analog Orderwire FSK module provides means for data communications. FSK modulate and demodulate modules transmit RS232C computer data over the Raven Orderwire.

The railroad passes nearby and you need some noise isolation. The front panel for the Raven Analog Orderwire comes with headset jacks. With enough wire a technician can reach the most remote part of the site and be assured of clear "Hands Free" communications.

You need bridging for more than 5 networks. The Raven Analog Orderwire is modularly expandable to more than 7 way bridging. The addition of a internal modules or an external bridge shelf makes the Raven Analog Orderwire support almost unlimited bridging.

Call us for more options

Raven's basic 416 Series Orderwire provides an interface between a 4-wire line, a frequency limited voice path and a wideband data path.

A 4-wire transmit port is provided by the 41651 Transmit module, and a 4-wire receive port is provided by the 41650 Receive module.

Low pass filter values, transmit and receive levels, and impedances can be provided as customer requirements necessitate.

Starting with the basic 41610 or 41611 System, other plug-in modules can be added, providing a system configuration designed to specific requirements.

However unique or complex your requirement, Raven has either already accomplished the task or will apply our flexibility and capability to do so, quickly and competitively. We have over 350 separate configurations in our "available models" list!

About Raven Electronics Corporation



Raven Electronics Corporation is currently enjoying more than a quarter century of success in the telecommunications industry. An Original Equipment Manufacturer of voice and data switching equipment, Raven serves a variety of domestic and international customers including telephone and utility companies, government agencies, the military, satellite communications companies, and OEMs. We are committed to providing our customers with high performance, high quality, competitively-priced equipment that keeps pace with changing industry requirements.



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