



Model IP-1616

Radio over IP 8 Line Radio Dispatcher with Cross-patch Control

- Police and Fire Brigades
- Utility and Energy
- Railways and Airlines
- Forestry and Environmental Agencies

The Cyfas IP-1616 is an eight-line full featured desktop control console designed with VoIP Technology for use with conventional radio systems.

The IP-1616 is a self contained dual processor based console that does not require a central rack or under the desk CPU equipment.

The IP-1616 can be easily connected to any internal Ethernet network by connecting a standard 10/100 baseT cable to the back of the unit and assigning it an address, thus allowing for an unlimited number of IP-1616 consoles to have full control and functionality over the system.

To program the IP-1616 console you simply connect to the Ethernet port on the back of the console and use your favorite Web Browser on your computer.

Unlike analog circuits any number of consoles can be put in parallel without causing loading issues.

The IP-1616 console has the capability of controlling a crosspatch between two or all eight of its eight lines. The dispatcher can communicate with the cross-patch group or operate on the other unused channels.

Its four-line Liquid Crystal Display provides channel alpha/numeric indication and features a 12/24-hour clock and audio-level display.

The IP-1616 comes with many standard features such as F1-F16 function tones, Four Alert tones, TX-ALL, RX-ALL, DTMF Keypad, Two Auxiliary buttons, RX and TX Block, Parallel update, DTMF Select Call per line, Paging (2-tone, DTMF and Manual entry). Instant call recorder allows you to retrieve

the last 4 minutes of either select or unselect TX and RX audio, Group select and VoIP connection. Summed recorder outputs for selected and unselected audio.

The IP-1616 console is compatible with Cyfas's other VoIP products such as the C-6200, IP-223, and C-Soft. Through these platforms Motorola, M/A Com, Daniels, Kenwood and other tone or direct connected radios can be remotely controlled. The migration path created with our VoIP products allows users to make a gradual move to the benefits of the VoIP world.

Front panel controls

- Monitor, Intercom, PTT button
- Alert tones up to four
- Crosspatch
- Group Select, two pre-determined groups
- Supervisory control
- 16 digit DTMF keypad
- Volume controls
- Parallel TX LED detect
- Frequency Selection
- Instant PTT
- A-menu and B-menu buttons for direct menu control
- Four programmable buttons
- Page (2-tone, DTMF, Manual)

Features

- Sixteen frequency control
- Simplex/full duplex (Field Programmable)
- Cross mute (Ethernet Based)
- Parallel console update
- Paging (2-tone, DTMF, Manual)
- IRR (Instant Call Recorder)
- Line select call with alarm

Special features

- Ethernet VoIP connection between consoles
- External PTT
- External audio input
- External Aux power input
- External speaker and recorder outputs
- Field upgradeable software
- SNTP Based Network Clock Synchronisation
- QOS (Quality of Service) packet marking built in

Microphones and Accessories

- Handset/Headset
- Gooseneck Mic
- Desk Mic
- Footswitch

Specifications

Distortion: 3% maximum at full output

Hum and Noise: 50db below operating levels

Speaker (two): 3 in, 8 ohm, heavy-duty

Amplifier Power: 5 W maximum at 3% THD into an 8 ohm load or equivalent

Optional Handset Earpiece Level: Adjustable preset level independent of speaker volume controls

Audio Frequency Response: + 1.5 db, 300 to 3000 Hz

Operating Temperature Range: 0 to +70 degree C

Power Requirements: 230 Vac, 50Hz, 25W, or 12.0 Vdc at 5 A maximum

Microphone Connection: Handset and Headset are 4-wire and the Desk microphone is 6-wire

Dimensions: 15.75 in (39.4cm) W x 9.7 in (24.3cm) D x 5.5 in (13.75cm) H

Weight: 25 lb (11.34 Kg)

Warranty (Limited)

All Cyfas products are guaranteed against malfunction due to defects in materials and workmanship for one year, beginning at the date of original purchase. If such a malfunction occurs, the product will be repaired or replaced (at our option) without charge during the one year period, if delivered to the Cyfas factory.

Warranty does not extend to damage due to improper repairs, finish or appearance items, or malfunction due to abuse or operation under other than the specified conditions, nor does it extend to incidental or consequential damages.

Specifications are subject to change without notice.

Unit 5 Ivel Road Business Park
1 Ivel Road
Sheffield
Beds SG17 5JU

Supplied & Approved in the European Union by

Cyfas Systems

Tel: +44 1462 818880
Fax: +44 1462 814070
Email: sales@cyfas.co.uk
Web: www.cyfas.co.uk