



technology
solutions



TetraFlex Gateway
Omnitronics IPR

Product
Training
Design
Support
Maintenance
Integration

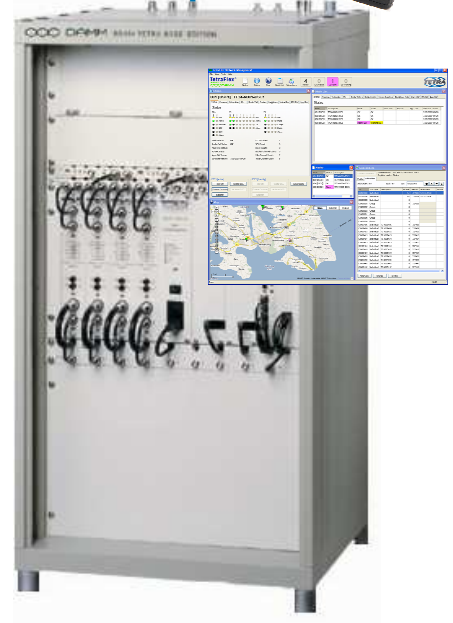


VoIP

TetraFlex IPR110/400 Analogue Gateway

Direct connection from IPR110/400 provides a flexible and robust bridge between legacy analogue radio systems and TETRA's digital technology. As the IPR110/400 has a direct IP connection to TetraFlex®, there is minimal time delay in activating calls, analogue and TETRA users will be unaware that they are communicating on two different technologies. Management can simply select the desired TETRA Talk-group to attach and communicate with the analogue radio channel.

- Simplify migration from existing system.
- Advantages of Tetra with a bridge to analogue.
- Communicate with offsite contractors.
- Minimal call setup times between technologies.
- Simple user interface for management control.
- Bridge to alternative radios technologies.



technology at work for you

CONNECTING YOUR BUSINESS TO THE TECHNOLOGY RESOURCES YOU NEED

IPR110 Gateway is a single analogue port device. The rack mounted IPR400 is delivered with 4-port configuration and is stackable allowing up to 32-ports to be configured. The gateways can be used standalone as a Radio Interface Unit (RIU) with connection to TetraFlex or form part of larger communications system with integration into desk top consoles and other custom applications.



flexible solutions for your business needs

SUPPORTING TECHNOLOGY

- SIMPLEX.
- DUPLEX.
- MPT1327 TRUNKING.*
- LTR TRUNKING.*
- SMARTNET TRUNKING.
- PROJECT 25 CONVENTIONAL.*
- PROJECT 25 TRUNKING.*
- EDACS TRUNKING.*
- GROUND TO AIR RADIOS.
- CB RADIO.

* Integration to specific products may require further testing.



CUSTOM SOLUTIONS

TetraFlex[®] is supplied with an (API) Application Programming Interface for use in programme development and connectivity for third party interfaces. This allows GMG Solutions or others to develop custom made gateway solutions for clients.



REMOTE MANAGEMENT

GMG Solutions can remotely access all parameters of TetraFlex and API devices. This provides fast and convenient diagnostic and resolutions to faults or requested changes to any particular setting.



IPR CONFIGURATION

The IPRs' is extremely easy to configure. Using an intuitive web interface, users have access to all of the advanced facilities of the unit. This includes audio levels, trunked or non trunked configurations.

Feature	Characteristics	Characteristics
Power	IPR110	IPR400
Voltage	12Vdc (11.5V to 13.8Vdc)	12Vdc (11.5V to 13.8Vdc)
Current	300mA	500mA
Radio Port		
Number of Channels	1	4
connector	8-way US modular (RJ45)	8-way US modular (RJ45)
Configuration	Four wire E&M fully isolated	Four wire E&M fully isolated
Input Impedance	600 ohms	600 ohms
Output Impedance	600 ohms	600 ohms
Input levels	-27dBm to 4dBm (-10dBm normal)	-27dBm to 4dBm (-10dBm normal)
Output levels	-27dBm to 4dBm (-10dBm normal)	-27dBm to 4dBm (-10dBm normal)
Software level attenuation	0 to -18dB in 3dB steps	0 to -18dB in 3dB steps
Frequency Response	300 to 3000 Hz (within 1 dB)	300 to 3000 Hz (within 1 dB)
E-Input lead	Opto coupled @ 5 to 50Vdc. Link configuration for voltage, contact, switched ground or switched power.	Opto coupled @ 5 to 50Vdc. Link configuration for voltage, contact, switched ground or switched power.
M-Output lead	Relay contacts limited to 30W (30Vdc or 1A). Link configurable for voltage, contact, switched ground or switched power.	Relay contacts limited to 30W (30Vdc or 1A). Link configurable for voltage, contact, switched ground or switched power.
Network Interface		
Connector	8-way RJ45	8-way RJ45
Interface	10 / 100 BASE-T Ethernet with auto-detect	10 / 100 BASE-T Ethernet with auto-detect
Protocol	RTP – Unicast	RTP – Unicast
Vocoders	G.711a	G.711a
Front Panel Facilities		
2 line by 16 character LCD	-	System status, RS activity, radio activity
User push buttons	-	Menu control, user commands
Front Panel Indicators		
System	Power OK, CPU RUN, VoIP Link OK	-
RS-232	Activity	-
Radio port	PTT output active, COS input active	-
Ethernet	10Mbps/100Mbps, Link Active, Activity.	-
Physicals and Environmental		
Style	Desk mount	1RU 19inch rack mount
Weight	0.7 kg	1.7 kg
Shipping Weight	1.4 kg	3.5 kg
Dimensions	270mm(W)x 355mm(H) x 230mm(D)	484mm(W) x 44mm(H) x 265mm(D)
Note: Specifications are subject to change without notice.		



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