

The next generation communications gateway multiplexer and router, providing unbeaten functionality and compatibility with military, and commercial satellite and terrestrial networks.



Overview

The V200 is a next generation, flexible solution for routing voice, serial and network data to remote sites - be it part of a terrestrial network, or as is more common with Vocality equipment, a satellite communications network.

Whilst the V200 isn't referred to as a multiplexer or router, it is capable of operating as both. The chassis offers 10 option slots into which users can install a range of service and operation cards. A hub site could then connect to a remote site using the aggregate of choice - serial data or IP/UDP, for example - and the remote site could be another V200, or it could be a number of remote sites with another Vocality device - V25, V50 Multiplexer or V100 Versatile Multiplexer.

The option cards available include a PSU Card which, along with other cards in the V200, offer seamless redundancy abilities, ensuring the V200 can be relied upon in the most demanding of applications.

With CPU Cards offering integrated routing over gigabit Ethernet ports, and inbuilt high performance TCP Performance Enhancing Proxy abilities, the V200 can be used as a high specification inter-site TCP/IP routing solution. Through the addition of voice/fax and serial data cards, this functionality can be augmented to allow users to extend extremely high numbers of voice and data ports from hub to remote, or to many remotes.

System Suggestions

Networks using the V200 can range from high specification point-to-point systems to complex star and mesh networks comprising gateway sites, with hundreds of voice and data connections.

Military

Vocality International is highly experienced when it comes to the demands of military applications. The V200 was developed from the outset to be the central communications suite for Navy, Army and Air Force applications, as well as hub sites for Special Operations and Government.

BGAN

V200 is compatible with Inmarsat BGAN. The V200 can operate as a central hub solution, extending secure or higher quality telephone circuits to V25 units connected to remote terminals via the Streaming Class BGAN service.

VSAT Networks

TDMA, Switched Carrier and DVB-RCS networks all offer flexible aggregate opportunities for the V200, and as with BGAN, the V200 doesn't necessarily need to be connected to another V200. Users would then select the appropriate Vocality product based on the remote site requirements. Finally SCPC networks, the mainstay of most corporate and government satellite networks, are well catered for and full compatibility with the major modem manufacturers systems is ensured through continual testing and validation.

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V200 Chassis & Functionality In Brief

Chassis :

- 10 Hot Swap Option Slots
- Slots 1 to 8 Carry Any Feature Card
- Slots 9 and 10 Carry Power Cards
- Auto-Redundant Switching
- 3RU Chassis with Multiple Cooling Fans

PSU Cards :

- Wide Ranging AC Power Supply (90-264V AC)
- Auto-Switching Upon Failure or Card Removal



Option Cards In Brief

CPU Card :

- Incorporates Dual Port Router
- 2 x 10/100/1000 Base-T Ports
- Optional Performance Enhancing Proxy (PEP)
- Telnet & Locking Supervisor For Management
- Serial Data to 10 Mbps
- Alarms Port
- High Speed Expansion Slot

Digital Voice Card :

- E1 : ETSI Q.931, QSIG
- T1 : CCS
- Voice Compression G.723.1, G.729A, ADPCM to PCM and NetCoder Algorithms with G.168 Echo Cancellation
- 10 Time Slots Expandable To 24/30 Time Slots
- BNC or RJ45 Interface
- FNBDT Compatible
- Optional STU III Relay Card

Serial Data Card :

- 4 Ports Expandable To 12
- Max Data Rate 10 Mbps Per Port
- RS232, V.35, RS422, RS449, V.36 and V.11
- Presented On VHDCI plus Converter Cable
- Can Operate As Aggregate or Tributary Ports

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Full specifications are available on request, and in more detail on the Vocality web site.

All information contained in this document is for guidance only and does not form any part of a contract.

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