V200 Datasheet

APPLICATIONS

- Military Operational Comms
- Military Welfare Comms
- Broadcasting and SNG Order Wire Comms
- Oil and Gas Platforms, Pipelines and Exploration
- Rural Telephony and Internet Service Provision

TECHNICAL FEATURES

- 3RU rackmount chassis
- 10 option card slots
- Serial data rates up to 10Mbps
- Multiple router capability
- Redundant option card capability
- Requires a minimum of:
    - High speed CPU card (high speed IP router)
    - AC power card
- Range of option cards:
    - Analogue voice cards FXS (4 or 8 channels)
    - Analogue voice cards FXO (4 or 8 channels)
    - Digital voice cards (single or dual E1/T1)
    - Radio Relay E&M Four Wire card (8 channels)
    - Universal Modem Relay (STU-IIB, STU-III and STE) on any voice module
    - Serial data card (4 or 12 ports)
    - ISDN card
    - Ethernet switch card (with or without PoE)
    - AC power card - redundancy capable

Vocality's flagship multi-function product range, PROFESSIONAL, has its foundations in voice and data multiplexing. As such, all the products combine efficient multiplexing of IP and a variety of tributary services. Principally, the PROFESSIONAL products are designed for team communications – bringing together different types of user demands into a managed wide area network – be it IP, serial or ISDN based.
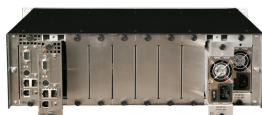
V200 is a 3RU rackmount chassis supporting the wide range of PRO option cards including multiple routers and digital voice for gateway sites.

V200 is principally suited to hub based applications for PRO and BASICS networks, and being VOS based, the unit offers a full suite of network functionality such as routing, VoIP, BGP, RIP, OSPF, IPSEC, SSH, SNMP and QoS management.

Technical data

MECHANICAL

Image:	
Form Factor:	3RU 19" rackmount enclosure
Maximum # of cards:	10
Cooling:	Forced air cooling from dual inlet fans
Operating Conditions:	0-50degC ambient0-90 % RH non-condensing
MTBF:	>200,000hours at 50degC
Line Voltage:	110V AC +/-10 % 47-440Hz, 110-240V AC +/-10 % 47-63Hz
Dimensions:	482 x 355 x 132mm
Indicators:	10 red/green on front panel and rear panel card-specific
Weight:	8.2kg

FUNCTIONAL

Standard Features:	Hot Swap Card Slots, Real Time Clock Device Temperature, Voltage and Fan Speed Monitoring TCP PEP (Performance Enhancing Proxy) SNMP Management

SOFTWARE FEATURE KEYS

SWF/VOICE8	Activating analogue voice on ports 5-8
SWF/VOIP/SIP10	VoIP Session Initiated Protocol Blocks of 10 User Agents (UAs)
SWF/IPSEC	Enable IPSec protocol
SWF/SSH	Enable Secure Shell Protocol

HARDWARE OPTIONS

Up to ten option cards may be installed in the V200 from the following range:

> High-speed CPU Card
> Standard CPU Card
> FXS Analogue voice/FAX, with or without Universal Modem Relay Board
> FXO Analogue voice/FAX, with or without Universal Modem Relay Board
> Radio Relay E&M Four Wire card (8 channels)
> 10/100Base-T Ethernet Switch, with PoE option available
> ISDN BRI
> Serial Data Card
> Digital Voice and Dual Digital Voice Card
> V200 PSU Card
>
> Many cards in this range are based on the Standard CPU Card, characterized by the addition of a specific module.
>
> Refer to V150/V200 Options Datasheet for further details.

Option bays A to H support the full range of option cards in any combination.

Option bay J is always used as a power supply slot, whilst option bay I can support either a standard interface card or an optional redundant power supply unit (recommended configuration).

Users will be required to equip a V200 chassis with a minimum of one High-speed CPU option card in Bay A (consisting of CPU, serial data, dual port router and M&C port) and at least one power supply card, in Bay J.

V200 is a product under continuous development.
Information subject to change. Correct at time of printing. Nov 2012.

Please be advised that Vocality offers two variants of VOS software — one including IPSec and SSH features and one without these features. The IPSec / SSH variant of the software is subject to UK export control restrictions, whereas the software without IPSec / SSH is not subject to export control.