VILINK Communications Inc.

3-RU Universal
10 I/O Slots Managed Chassis

ITS Equipment Series **Model VK2300**

Overview

The VK2300 chassis provides a universal platform that facilitates and provides management functions for our fiber optic digital video/audio/data modules (ML Series), fiber optic fault tolerant self-healing data transceiver master/sub-master modules (VK230 series), 10/100 M Ethernet media converter modules (EN150 series), and T1/E1 CSD/DSU Nx64 V.35 modules (TM series).

The VK2300 chassis accommodates up to ***10 hot-swappable modules*** with single or redundant AC or DC power supplies. The chassis also provides a common back plane interface for these Video/Data modules, Fault Tolerant Transceiver modules or others interface modules and thereby interconnecting each module to the NMS status-monitoring interface.

The VK2305 monitor card provides two NMS ports for connecting to the NMS-PC and additionally connecting other VK2300 chassis's monitoring functions together. With the VK2305 NMS module in place, linking of multiple VK2300 NMS "***Virtual Back plane***" or chassis in one network is accomplished through the NMS protocol imbedded in the NMS module and products. This network is functionally operational "Online" anytime, and transparent to any real network data.

The VK2300 chassis provides visual LED indicators for individual module status, and chassis power supplies conditions. It also provides an audio alarm for individual optical link failure and/or system power supply failure (redundant power supply system only). An alarm push-button cut off is also provided for disabling the audio alarm.
This platform provides a fully integrated and functional system that is managed through our NMS GUI interface and NMS software package delivered with the purchase of equipment.

Features

- *13 Module Slots Chassis*
- *2 Power Supply slots with AC and/or DC*
- *Individual module status LED indicators*
- *Audio Alarm with Alarm Cut-Off*
- *Multiple Chasses Connectivity*
- *Supervisory and Management with (GUI) NMS*

Applications

- *ITS Traffic Applications*
- *Long Distance CCTV/PTZ*
- *Utility System*
- *Military Applications*
- *Premise Networks*
- *Telecommunication Networks*
- *Local Area Networks*
- *Data Communication Networks*
- *SCADA Network Monitor*

Ordering Information

Model	Descriptions
VK2300P1-NMS	Universal Managed Chassis (NMS) with One AC Power Supply
VK2300P2-NMS	Universal Managed Chassis (NMS) with Two AC Power Supplies
**** Please Consult Factory for Additional Model Numbers****	

Technical Specifications

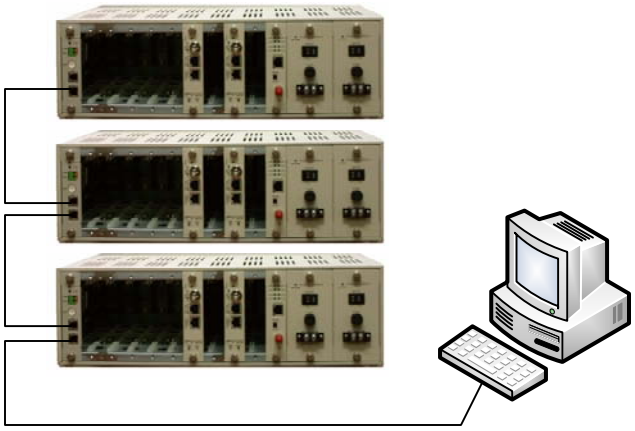
Model VK2300

Specifications

System:	
Node Manager	Network Monitoring System
Graphics User Interface	Windows-Base Panel Display
UART Communications	RS-232 Interfaces
Data Rate	Up to 19.2 Kbps
Connector	RJ 11
Indicators	PWR, Alarm
Network Interface:	
Ports	RS-232
Remote Connection	RJ45
IP Address	Device ID
Local Connection	RJ11
Data Format	RS-232 Protocol
Configuration	Point-to-Point or Broadcast

I/O Modues:	
Video	Video and Data
Data Transceivers	Self Healing Data
T1/E1	1-4 Channel T1/E1
Ethernet	10/100M Ethernet
Clock & Data Tx/Rx	High Speed Clock and Data
Converter	Optical Mode Converter
Environment:	
Operating	-34^0 C to $+74^0$C
Storage	-40^0C to + 95^0C
Humidity	98% Non-Condensing
Physical:	
Dimension	19" x 12" x 5.25"
Power	90-240 @ 0.5 Amp

Applications



Typical VK2300P2-NMS Application

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