

ADIX-VS System Components Overview

Components

VS-KSU Control Module

8 Card Slots
 Dimensions (HxWxD): 13.8"x16.5"x5.9"
 Weight: Approximately 14.5 lbs. fully loaded

VS-PWSU Power Supply

Dimensions (HxWxD): 2.5"x4.7"x8.3"
 Weight: 4 lbs.

Switch Parameters

Time Division Multiplexed PCM32
 Mu-law Speech Compression
 Time Slots: 114
 Stored Program
 Distributed Multi-microprocessor

System Memory

Component	<u>Flash Memory</u>	<u>RAM</u>
VS-CPUMEM	4 MB	2 MB

Heat Dissipation

VS-PWSU (maximum): 162 BTU/hr

Environment

Operating Temperature:
 0° to 40°C/32° to 104°F
 Storage Temperature:
 -10° to 50°C/14° to 122°F
 Relative Humidity (non-condensing):
 10% to 90%

Power	<u>Nominal</u>	<u>Maximum</u>
VS-PWSU Input:	167 watts	240 watts

AC Input

AC Input Voltage Tolerance:
 VS-PWSU: 108V-132V @ 120V
 Frequency Tolerance:
 VS-PWSU: 47 Hz -63 Hz
 Maximum Input Current
 VS-PWSU: 2.0 A



ADIX-VS Cabinet (VS-KSU)

ADIX-VS General Description

Ringling Generator

Frequency:	20 Hz
Amplitude:	90 VAC
Maximum Simultaneous Ringing (SLT):	2

Battery Backup

The ADIX-VS (VS-PWSU) power supply includes a battery interface. Backup time is dependent upon battery array, system size and system usage.

FCC Registration Number

KF: BD6MLA-21247-KF-E
MF: BD6MLA-21244-MF-E

Facility Interface Codes

Loop Start Trunks:	02LS2
Ground Start Trunks:	02GS2
OPS Lines:	0L13C
ISDN BRI:	02IS5

Attendant Position

Maximum Attendant Positions:	1
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Telephone Requirements

Digital Telephones

Wiring:	1 pair
Total End-to-end Distance	
22 AWG Twisted Pair:	1,000 ft.
24 AWG Twisted Pair:	1,000 ft.
1 Star Repeater:	1,500 ft.
2 Star Repeaters:	8,000 ft.

Single Line Telephones

Wiring:	1 pair
Wiring w/Message Lamp:	1 or 2 pair
Maximum Loop Resistance (Includes SLT)	
On-premise SLT:	600 ohm
Off-premise SLT:	1,200 ohm
Ringling Frequency:	20 Hz

Circuits Per Card

Digital Station Card (VS-4PSUB):	4 circuits
Analog Station Ports (standard):	2 circuits
Omega-Voice VMI (VS-VML):	4 circuits
Caller ID Trunk Card (VS-2CITK):	2 circuits
ISDN BRI Trunk Card (VS-ICOTB):	1 circuit
	(2B + 1D)
Miscellaneous Function Card (VS-MISC):	5 circuits

Software

Outgoing Trunk Groups:	10
Incoming Trunk Groups:	10
Incoming Call Ringing Assignment:	16 Stations/Line.
Incoming Call Delayed Ringing Assignment:	16 Stations/Line
Doorphone Ringing Assignment:	16 Stations/Doorphones
Call Pick-up Groups:	10
CO/ICM Hunt Groups:	10
Maximum Stations per Hunt Group:	16
Paging Groups Internal:	8
Maximum Stations per Paging Group:	16
External Paging Zones:	2
Station Speed Dial:	10
System Speed Dial:	90
Maximum Digits per Speed Dial Number:	32
Speed Dial Alphanumeric ID:	10 characters
CO/Station Alphanumeric ID:	8 characters
Account Codes:	12 digits
Forced Verified Account Codes:	80
Park Orbits	
Attendant/System:	10
Station:	1
Call Forwarding:	10 steps
No Answer:	no limit
Station Numbering Plan:	flexible
Station Text Messages:	10
System Text Messages:	90
Text Message Groups:	10
Maximum Stations per Text Message Group:	16
Station Flexible Key Patterns	13
Caller ID/ANI/DNIS Tables	100
Caller ID Information Storage	50 calls

ADIX-VS Hardware Capacities

SYSTEM ¹	ADIX-VS
Power Supply	VS-PWSU
Card Slots	8
Number of Ports ²	45
Trunk Ports ³	6
Station Ports	16
Digital Station Ports	14
Voice Mail Ports	4
Attendant Positions	1
On-premise SLTs	2
Doorphones	14
Busy Bypass Units ⁴	7
Caller ID Trunks	6
Loop Start Trunks	6
Conference Circuits	2
ISDN BRI Cards ³	3
Miscellaneous Function Ports	5
Serial Ports	2

1. This table lists the maximum quantity supported for each component type. The combined total number of ports for each system is limited to the "Number of Ports" category of this table. The capacities listed are based on the total number of card slots available, software restrictions and the power consumption of each component. It is recommended to use the ADIX-VS Power Calculator Program to determine the exact power supply required.
2. The combined number of Station, Trunk, and Miscellaneous ports may not exceed the number of ports listed in this category.
3. The total number of trunks programmed may not exceed 6 Caller ID/Loop Start Trunks or 3 ISDN BRI Lines.
4. When Busy Bypass Units are used, the total number of Digital Stations may not exceed these numbers.