

Features and Technical Specifications

Millennium Features

Station Features

Abbreviated/Speed Dialing
Account Codes
ACD Agent Logon Button
ACD Agent Status Buttons
ACD Group Service Button
ACD Group Status Display
Add-on Conference
Alphanumeric Paging
Alarm Clock
 Local
 Remote
All Call Announce
All Call Announce Pickup
Answer
Automatic Call Transfer
Automatic Hold Recall
Automatic Set Relocation
Background Music
Break-In
Broker's Hold
Busy/No Answer Intercept
Busy Override
Button Change
Button Hunting
Call Announce
Call Announce Privacy
Call Announce Transfer
Call Duration Display
Call Forward
 Busy/Don't Answer
 Don't Answer
 Follow Me
 Outside the System
 Local
 Remote
Call Park, Answer, and
 Identification
Call Pickup
Call Queue Query
Call Transfer
Called Party Identification
Caller ID Blocking/Unblocking
 Calling Party
 Called Party
Camp-on
Cancel
Class-of-Service Change
Clear Active Features
Conference
 Add-on
 Isolate
 Meet-Me
 Music-on-Hold
 Query
Data Adapter
Desktop CTI
Dial Access Codes
Dial Access for Remote Extensions
Direct Extension Selection
Direct Ring Prime
Directed Call Pickup
 All Call Announce
 Group Call
 Page
 Park to Station
Do-Not-Disturb

E-911 Page Notification
Group Listen
Ground Recall
Headset/Handset Operation
Hold
 Conference Hold
 System Hold
 Transfer Hold
Intercom
 Hot Line
 Secretarial
Message Send/Message Retrieve
 Message Cancel
 Message Waiting
 Query
 Page Priority
 Audible
 Auto Delete
 Voice Mail
Monitor
Multiple Function Feature Buttons
Music
 Conference Music-on-Hold
 Music-on-Hold
 Paging Background Music
 Phone Background Music
Night Service
 Night Answer
 Night Transfer
Override
Paging and Paging Answer
Paging Display
Parked Call Indication
Park to Station
Personal Preferences Setup
Personal Speed Dialing Directory
Privacy
Problem Circuit Tagging
Pushbutton Dial
Recorder Jack
Redial
 Last Number Redial
 Stored Number Redial
Release
Remote Call Pickup
 General Remote Call Pickup
 Group Remote Call Pickup
Repertory Dialing
 Personal
 System
Speakerphone
System Alarms
Transfer
Voice Mail Access

Trunk Features

Analog DID Busy Out
Analog E&M Tie Lines
Analog Ground-Start Trunks
Analog Loop-Start Trunks
Analog Nailed-Up Circuit
ANI and DNIS Service
Automatic Call Distribution
Caller ID Translation
D-Channel Backup
Dial Access Codes
Digital Announcer Support
Digital E&M Tie Lines

Digital Ground-Start Trunks
Digital Loop-Start Trunks
Digital ISDN Trunks
Digital Off-Premises Stations
Direct Department Calling
Direct-In Line
Direct Inward Dialing
E1 Trunks
Individual Trunk Access
Information Digits on T1/E1 ANI
International Signaling Protocols
ISDN PRI Integration
Least Cost Routing
Message Send/Message Cancel
MF Outdial on Analog Trunks
Multiple Trunk Groups
Nailed-up Data Connection
Name Delivery on ISDN
Network Redirection
Non-Facility Associated Signaling
Overlap Dialing
PRI Call-by-Call Service Selection
Priority Queues
Public/Private Numbering
 Plan Interface
Remote Access (DISA)
Senderized Dialing
T1 Trunks
T1/E1 DID Digit Collection
Tie Trunks
Toll Restriction
Traffic Measurement
Trunk-to-Trunk Connect
Trunk Route Queuing
Trunk Routes

System Features

1500 Virtual Programming
Locations
A-Law/Mu-Law Conversion
ACD Agent PINs
ACD Group Status Display
ACD Reports (English or French)
Alarm Indicators
Announcer Ports
Asynchronous Data Programming
AT Commands for Telephone
 Control
Audio Level Control
Authorization Codes
Auto Answer
Automated Attendant
Automatic Conference Teardown
Automatic Station Hunt
Backup Battery Support
Backup Memory Allocation
Busy/Don't Answer Intercept
Call Accounting System Support
Call Announce
Call Announce/Paging
 Simultaneously
Call Queue Query
Call Queuing
Call Routing Plans
Call Screening
Caller ID
Circuit Switched Data
Classes of Service

CTI Integration
D-Channel Data Applications
Database Backup
Data COS Programming
Date/Time Set From Network
Daylight Savings Time
Diagnostics
Dial Pulse/DTMF Signaling
Digit Collection/Processing
Distinctive Ringing
External Alarm Device Interface
External Paging Interface
Feature Group B & D Switched
 Access
Flexible Numbering Plan
Hexadecimal Dialing
ICLID Delivery of DID/DNIS
Intercom
Intercept
Millennium Navigator, PC
 Attendant Console
Millennium Real Time ACD,
 Reporting Package
Monitor Zones
Multiple Attendant Positions
NANP Compatible
National ISDN B-Channel
 Management
Network Message Waiting
 Indication
Night Service
 Display
 Zones
Off-Premises ACD Agents
Off-Premises Stations
Originating Line Information
Overlap Dialing
Override/Busy Verification
Page Tone
Private Lines
Programmable Tones
Protected Stations
QSIG
Recall
Receiver Off-Hook (ROH)
 Intercept
Remote Fiber Shelves
Remote Programming and
 Diagnostics (RPD)
Remote System Extensions
Resources Queuing
Sigbus and Event Monitoring
Station Hunting
Station Message Detail Recording
 (SMDR)
Calling Party Number
System Clock
System Repertory Numbers
System Security
System Tones
Display Board Support
Telocator Alphanumeric Protocol
 (TAP)
TSAPI CTI
Translate Tables
User Mnemonics
Voice Mail Integration

Millennium Technical Specifications

8-slot and 16-slot systems

Weight/Dimensions

Equipment	Weight (lbs.)	Dimensions
8-Slot Cabinet	17 1/8	17.25W x 11.72D x 12.5H
Equipped Mounting Bracket	18	19.87W x 12.5D x 12.5D
8-Slot Cabinet Fully Loaded	37 1/2	
16-Slot Cabinet	28 1/2	31.37W x 11.72D x 12.5H
Equipped Mounting Bracket	29 1/2	
16-Slot Cabinet Fully Loaded	49 1/2	34W x 12.5D x 12.5H

Power Requirements

Equipment	Characteristics	Parameters
200-Watt Power Supply Module (8-Slot Cabinet)	Facility Power Input	Voltage = 95 – 128 VAC at 2.5 amperes, 50 - 60 Hz OR Voltage = 190 – 256 VAC at 1.2 amperes, 50 - 60 Hz
400-Watt Power Supply Module (16-Slot Cabinet)	Facility Power Input	Voltage = 95 – 128 VAC at 5.0 amperes, 50 - 60 Hz OR Voltage = 190 – 256 VAC at 3.0 amperes, 50 - 60 Hz

Power Consumption Configuration

	Power	Current Drain @ 36 Volts (See Note)
8-Slot Cabinet		
Nominally Populated	110 Watts (375 BTU/H)	Nominal Current 3.056 amperes Battery Duration 8.600 hours
Fully Populated	155 Watts (530 BTU/H)	Maximum Current 4.305 amperes Battery Duration 6.039 hours
12-Slot Cabinet		
Nominally Populated	165 Watts (564 BTU/H)	Nominal Current 4.330 amperes Battery Duration 6.000 hours
Fully Populated	227 Watts (776 BTU/H)	Maximum Current 6.206 amperes Battery Duration 4.120 hours
16-Slot Cabinet		
Nominally Populated	215 Watts (735 BTU/H)	Nominal Current 5.972 amperes Battery Duration 4.350 hours
Fully Populated	305 Watts (1040 BTU/H)	Maximum Current 8.472 amperes Battery Duration 3.069 hours

Note: Equipped with Gates Genesis Model G12V12W15 Battery Package

Environmental Requirements

Operating Temperature: 59 – 95 degrees F (15 – 35 C)
Storage Temperature: 32 – 118 degrees F (0 – 48 C)
Operating Relative Humidity: 20 – 80% non-condensing

Loop Lengths – Digital Telephones

4-Wire Telephones

- Point-to-Point Station Wiring – Maximum Distance: 3,000 ft
- Point-to-Multi-Point Station Wiring – Maximum Distance: 1,500 ft
- Star Station Wiring – Maximum Distance: 1,500 ft

2-Wire Telephones

- Point-to-Point Station Wiring – Maximum Distance: 9,000 ft (System is AC powered and telephone is line powered. This includes commercial AC power and UPS backup power.)
- Point-to-Point Station Wiring – Maximum Distance: 12,000 ft (Telephone is externally powered.)

Single Line Telephones

- Point-to-Point Station Wiring – Maximum Distance: 7,750 feet

System 3100 Telephones

- Point-to-Point Station Wiring – Maximum Distance: 2,000 feet

Telephone Dimensions

6-, 12- and 18-button telephones	6.75" W x 9" D x 3.5" H
30-button telephone	7.75" W x 9" D x 3.5" H
BEM	6.75" W x 9" D x 3.5" H

FCC Registration Number: GVIUSA-73152-MF-E

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Ringer Equivalence: 1.2B



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