



Digital Operator System A50 Specification

System Capacity

Maximum Analog PSTN Line	• 8
Maximum Extensions	• 50

Interface

Line Interface	<ul style="list-style-type: none"> • 1 module with 4 FXO ports • Loop start analog lines 	<ul style="list-style-type: none"> • 1 expansion slot for additional 4 FXO ports • RJ11 connector (1 pair)
LAN Interface	<ul style="list-style-type: none"> • 10/100/1000 Mbps auto-sensing 	<ul style="list-style-type: none"> • 1 RJ45 connector
USB	<ul style="list-style-type: none"> • 3 USB port for future expansion 	<ul style="list-style-type: none"> • USB 2.0/1.1 compliant
Audio Port	<ul style="list-style-type: none"> • 1 line out jack for external PA system 	<ul style="list-style-type: none"> • 1 line in jack for future expansion
On-box Management	<ul style="list-style-type: none"> • 2 × 16 characters, 5 x7 dot LCD • IP button for checking IP address • Tri-color LED for system status checking 	<ul style="list-style-type: none"> • 4 way/Enter button for selecting option • Reset button for restart the DOS-A50
Event Log	<ul style="list-style-type: none"> • Ease of troubleshooting/administration 	

Protocol and Voice

Protocols	<ul style="list-style-type: none"> • SIP 2.0 (RFC-3261) 	<ul style="list-style-type: none"> • RTP (Transfer Protocol)
Voice Codec	<ul style="list-style-type: none"> • VAD (Voice Activity Detection) • Line echo cancellation (G.168) • G.711 (u-law) 	<ul style="list-style-type: none"> • CNG (Comfortable Noise Generation) • Adaptive jitter buffer management
Caller ID	<ul style="list-style-type: none"> • Bellcore/DTMF 	

Main Features

Auto Attendant	<ul style="list-style-type: none"> • Up to 8 concurrent calls processed by auto attendant • Automated answers to frequently asked questions such as location, hours of operation, and FAX number 	<ul style="list-style-type: none"> • Speech recognition, including nickname • Contact directory
Voicemail	<ul style="list-style-type: none"> • Built-in voicemail system • Voicemail messaging forwarding to e-mail 	<ul style="list-style-type: none"> • Approximately 100 hours voicemail storage
Outlook Integration	<ul style="list-style-type: none"> • Voice dialing to contacts imported from Microsoft Outlook 	<ul style="list-style-type: none"> • Import contacts from Microsoft Outlook
Client Utility	<ul style="list-style-type: none"> • Customize personal settings • Call forward settings user management 	<ul style="list-style-type: none"> • Screen pop-ups display caller ID name and number or Outlook contact look up.
Administration	<ul style="list-style-type: none"> • Seamless setup and administration • Set up wizards for ease of configuration 	<ul style="list-style-type: none"> • Phone auto discovery and provisioning
External Access	<ul style="list-style-type: none"> • Specified number by caller ID authentication and password protected external access to user phones 	
Bypass Receptionist	<ul style="list-style-type: none"> • Bypass receptionist function for specific outside calls to specific station. 	
All Call Ringing for Groups	<ul style="list-style-type: none"> • Ring all phones in a particular department 	
PSTN Line	<ul style="list-style-type: none"> • Plug and play telephone line support 	<ul style="list-style-type: none"> • Reserve specific lines for incoming calls only

Security Gateway (Optional)

WAN Interface	<ul style="list-style-type: none"> • 10/100 Mbps auto-sensing 	<ul style="list-style-type: none"> • 1 RJ45 connector
Features	<ul style="list-style-type: none"> • Static/PPPoE/DHCP for broadband type selection • Support up to 20 VPN connections (PPTP/IPsec) • Firewall to protect your network from Internet attacks 	<ul style="list-style-type: none"> • DHCP server with NAT • QoS bandwidth for voice traffic

Physical

Power	<ul style="list-style-type: none"> • External power adapter • Frequency: 50/60Hz 	<ul style="list-style-type: none"> • Voltage: 100VAC~240VAC
Dimension (L*W*H)	<ul style="list-style-type: none"> • 12"x 10" x 3½" (315.84mm * 249.40mm * 91.36mm) 	
Locating	<ul style="list-style-type: none"> • Desktop/Upright/Wall mounted 	

Environmental

Operating Temperature	<ul style="list-style-type: none"> • 32°F to 104°F (0°C to 40°C)
Storage Temperature	<ul style="list-style-type: none"> • -67°F to 158°F (-55°C to 70°C)
Operating Humidity	<ul style="list-style-type: none"> • 90 to 95% RH at 104°F (40°C), non-condensing
Storage Humidity	<ul style="list-style-type: none"> • 90 to 95% RH at 104°F (40°C), non-condensing

Compliance

EMI Certification	<ul style="list-style-type: none"> • FCC part 15 Class A
PTT Regulation	<ul style="list-style-type: none"> • FCC part 68
Safety	<ul style="list-style-type: none"> • cUL



Syspine IP Phone 310 Specification



Interface	
LAN Interface	<ul style="list-style-type: none"> • 10/100 Mbps auto-sensing • 2 RJ45 connectors with switched Ethernet port • Power over Ethernet (PoE) support/compatible
LCD display	• 2*16 characters, 128x32 pixel graphic LCD
Handset Interface	• RJ9 connector (standard handset connection)
Voice and Protocol	
Silence Suppression	• VAD, CNG
Echo Cancellation	• G.167(Acoustic Echo Cancellation)
Jitter Buffer	• Adaptive
Voice Suppression	• G.711(u-law)
Call Control Protocol	• SIP 2.0, compliant to RFC-3261
Features	
Call Features	<ul style="list-style-type: none"> • Call hold • Call transfer • Audible call waiting indicator • Speaker/handset mute • Redial • 3 way conference • Incoming call/Voicemail indicator
Function Keys with LED	• Voicemail/Mute/Speaker/Hold
Multiple Line Assignment	• Maximum 4 users/phones
Response Point button	• Large Response Point button for voice commands/dialing
Call History	• Missed calls, received calls, and dialed numbers. Automatic dialing of numbers from call history lists
Inbound Caller ID display	• Display on phone and on PC software popup
Physical	
Power	<ul style="list-style-type: none"> • External power adapter • Voltage: 100VAC~240VAC • Frequency: 50/60Hz
Dimension (L*W*H)	• 8"X7" X2½"(198.5mm * 180.5mm * 59.2mm)
Locating	• Desktop/Wall mounted
Environmental	
Operating Temperature	• 32°F to 104°F (0°C to 40°C)
Storage Temperature	• 32°F to 158°F (0°C to 70°C)
Humidity	• 95% Max, non-condensing
Compliance	
EMI Certification	• FCC part 15 Class B
Safety	• cUL