

ESI-50 Communications Server



System highlights *(maximum capacities shown)*

Total stations	52
IP stations	12
Digital stations	32
Analog stations	8
Call-processing ports	87
Central Office (CO) lines	35
Digital line cards (PRI) ¹	1
Voice mail ports	6
Voice storage (hours)	Up to 60
Station/special-purpose mailboxes	1,089
Conference ports (16 members/conference)	16
Shared-office tenanting (tenants)	2
ESI Bluetooth® Voice Integration	Optional
ESI Presence Management	Optional
VIP applications	Optional
Mirrored Memory Module (M3) backup	n/a

Plus other ESI Communications Server features:

- Both digital and IP-based
- Standard-based design (including SIP support)
- ESI's Verbal User Guide™
- Six-level, 100-branch automated attendant
- Automatic call distribution (ACD)
- ESI phones
 - Desktop and cordless models
 - Digital and IP
 - Some models available with backlit displays
- Optional IP-based features, including Esi-Link (combines up to 100 ESI systems into one)



Four angle positions

An ESI desktop Feature Phone has four-position tilt and is wall-mountable.










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ESI-50 Communications Server

Unless indicated by the  symbol, items and capacities shown are common to all ESI Communications Servers.²


Growth capabilities

- 87 call-processing ports 
- Six voice mail channels; up to 60 hours of message storage 
- Support for up to 32 digital stations, up to 12 local IP stations (or up to eight remote IP channels), and up to eight analog stations 
- Up to two tenants 
- Up to 100 networked Esi-Link-enabled systems
- Up to eight fully functional analog ports 
- Up to four 60-Key Expansion Consoles 
- Three-digit and four-digit flexible numbering plans 
- System maintenance via built-in LAN/WAN connection

Standards-based design

- SIP; G.711 and G.726³  compression; 802.11 100-Base-TX Ethernet; 802.3af Power Over Ethernet; UDP; DHCP
- QoS: 802.1p prioritization; 802.1q VLAN; DiffServ


Call handling

- Enhanced Caller ID⁴ allows one-touch automatic message return with ESI Feature Phones (supports basic Caller ID features on non-ESI analog phones)
- Account codes for greater accountability
- Intelligent Call Forwarding⁵ sends original caller's Caller ID⁴ information to off-premises number (requires PRI line)
- Caller ID key shows Caller ID⁴ for last 25 callers, for one-touch call return
- Live call recording of any conversation or personal "voice memo"; allows moving and copying recordings to others' mailboxes (auto-recording⁶ available with optional *VIP* family of applications)
- Live call screening allows listening to an incoming message, as on a home answering machine; pick up call at any time or let it go to voice mail
- Highest-grade voice quality (64 kilobit/second sampling) for voice mail and other voice storage
- Call waiting with Caller ID⁴
- Virtual Answer Key⁷ for recording custom greetings to handle select callers when they're in call waiting
- Up to 16 conference callers (maximum of 16 persons per conference) 
- Background announce
- Trunk-to-trunk transfer
- Music/message-on-hold (MOH) port and 12 MOH tracks, three pre-recorded and nine customizable
- Dedicated overhead paging interface
- QuickPage⁸ for paging notification of held calls

ESI's Verbal User Guide⁹

- **HELP** key on ESI desktop phone provides assistance
- Thousands of prompts for users, administrators, and installers

Built-in voice mail

- Six voice mail channels; up to 60 hours of message storage 
- Blue **VOICE MAIL** key on ESI desktop Feature Phone⁶
- Off-premises message delivery (cell phone or pager)
- Urgent message notification
- Multiple mailbox types, including group, broadcast, informational, cascade notification, guest, and Q & A
- Can restore each mailbox's 10 most recently deleted messages
- Quick Groups¹⁰ for one-step moving of a voice message to other user mailboxes
- Quick Move¹¹ for saving a message to other user mailboxes during call recording
- Virtual Mailbox Key¹² for monitoring of additional mailboxes
- Off-premises "reach-me" can let someone forwarded to a voice mailbox still reach the called party at a designated number
- AutoPage⁸ for alerting users over Feature Phone speakers (or, if connected, overhead paging system)


Automated attendant

- Six levels, 100 branches; includes off-premises transfer
- Automated trunk-to-trunk transfer

Automatic call distribution (ACD)

- Routes calls within designated departments based on agent availability
- Reporting
- ACD queue prioritization and overflow routing

Shared-office tenancing

- Up to two tenants 
- Assignment of CO lines
- Each station and ACD department can be assigned to one tenant
- Auto attendant can have different greetings, day/night settings, and routing to specific locations, just as if each tenant had its own system
- Separate operator positions for each tenant, or centralized answering

ESI Feature Phones

- Different models for varying needs
 - 48-Key Feature Phone⁷ in multiple versions: Digital and IP (local/remote with 802.3af Power Over Ethernet)
 - 24-Key Digital Feature Phone⁷
 - 12-Key Digital Feature Phone
 - Cordless Handsets in Digital, (local) IP, and Remote IP versions
- Dedicated feature keys
- Headset operation⁸
 - 48-Key Feature Phones and Cordless Handsets each include headset jack
- Features specific to desktop Feature Phones:
 - Four-position tilt; wall-mountable
 - Rugged design resists abuse, spills
 - Large display and built-in speakerphone⁸
 - Up to 30 programmable feature keys
 - Volume/scroll keys
 - Esi-Dex¹² speed-dialing
- System Dex (uses Caller ID⁴ information or direct keypad entries)
- Location Dex shows Esi-Link and remote station locations (if applicable)
- Feature Dex for use with programmable feature keys

Optional ESI Bluetooth Voice Integration

- ESI Cellular Management lets you use an ESI phone to manage calls to and from a Bluetooth-enabled cell phone
- ESI Bluetooth Headset Interface "pairs" your Bluetooth headset to your ESI phone, allowing you to answer, originate, and terminate calls seamlessly, using the headset

Optional ESI Presence Management

- Works with ESI phone system to help you manage comings and goings into your facility and maintain security
- Shows who is and isn't on the premises, avoiding wasted pages
- Used with optional *ESI TimeLine*¹² software, can help eliminate payroll errors and the need for physical time cards



Growth capabilities

The ESI-50 architecture allows expansion when required. The Base Cabinet and optional "piggybacking" Expansion Cabinet are wall-mountable and require very little space in your phone closet.

To learn more about ESI Communications Servers, consult their brochure¹² or visit www.esicomservers.com/CS.

1. PRI on ESI-50; PRI and TI on ESI-100, ESI-200, ESI-600, and ESI-1000. 2. To support certain ESI Communications Server features, the entry-level ESI-50L Communications Server must be upgraded to an ESI-50 Communications Server; for more details about this, please consult your Certified ESI Reseller. 3. The ESI-50 cannot be used in an Esi-Link network with systems that support only G.729 compression. 4. Caller ID information available if your telephone service provides it. Contact your provider for details. 5. Auto-recording requires *VIP Professional*-compatible application and optional license. 6. Except for 12-Key Digital Feature Phone, on which voice mail is accessed via a programmable feature key. 7. Available with backlit display. 8. Not on 12-Key Digital Feature Phone. 9. *Outlook 2000, 2002, 2003, or 2007* required. 10. Creation of custom reports requires *Crystal Reports*[®] (Standard Edition or Professional Edition). 11. Certain minimum LAN/WAN bandwidth and data latency requirements apply. 12. ESI document 0450-1052, available from your ESI Reseller or www.esicomservers.com/brochures.

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