

# 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) <sup>1</sup>    | 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.<sup>2</sup>


## 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.726<sup>3</sup>  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 ID<sup>4</sup> 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 Forwarding<sup>5</sup> sends original caller's Caller ID<sup>4</sup> information to off-premises number (requires PRI line)
- Caller ID key shows Caller ID<sup>4</sup> 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-recording<sup>6</sup> 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 ID<sup>4</sup>
- Virtual Answer Key<sup>7</sup> 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
- QuickPage<sup>8</sup> for paging notification of held calls

## ESI's Verbal User Guide<sup>9</sup>

- **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 Phone<sup>6</sup>
- 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 Groups<sup>10</sup> for one-step moving of a voice message to other user mailboxes
- Quick Move<sup>11</sup> for saving a message to other user mailboxes during call recording
- Virtual Mailbox Key<sup>12</sup> 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
- AutoPage<sup>8</sup> 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 Phone<sup>7</sup> in multiple versions: Digital and IP (local/remote with 802.3af Power Over Ethernet)
  - 24-Key Digital Feature Phone<sup>7</sup>
  - 12-Key Digital Feature Phone
  - Cordless Handsets in Digital, (local) IP, and Remote IP versions
- Dedicated feature keys
- Headset operation<sup>8</sup>
  - 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 speakerphone<sup>8</sup>
  - Up to 30 programmable feature keys
  - Volume/scroll keys
  - Esi-Dex<sup>12</sup> speed-dialing
- System Dex (uses Caller ID<sup>4</sup> 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*<sup>12</sup> 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 brochure<sup>12</sup> or visit [www.esicomservers.com/CS](http://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*<sup>TM</sup> (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](http://www.esicomservers.com/brochures).

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