

# iPECS LIP-9000 Series

**iPECS**  
Your Communications Solution

## High quality voice IP Phones

Enjoy a wide selection of easy-to-use system IP phones to enrich your communications experience with powerful speaker and wideband voice support. There are five types, from entry-level to advanced terminals, designed to fit the users' specific business needs. The Ericsson-LG Enterprise proprietary protocol provides fully integrated system features just like the conventional features in a rich PBX solution.

### Handsets

#### LIP-9040

Advanced

**Designed for:**

- Managers, Remote workers

**Key Features**

- UC enabled (IM Presence)
- 12(X3 page, total 36) flexible buttons
- Wide Grayscale graphic type 8 line LCD w/ backlit



#### LIP-9030

Professional

**Designed for:**

- Managers, General office, Remote workers

**Key Features**

- UC enabled (IM Presence)
- 8(X3 page, total 24) flexible buttons
- Wide Grayscale graphic type 6 line LCD w/ backlit



#### LIP-9020

Standard

**Designed for:**

- General office, Remote workers

**Key Features**

- UC enabled (IM Presence)
- 10 flexible buttons
- Wide Grayscale graphic type 4 line LCD w/ backlit



#### LIP-9010

Basic

**Designed for:**

- Small office, Remote workers, Receptionists

**Key Features**

- 5 flexible buttons
- Wide Grayscale graphic type 3 line LCD w/ backlit



#### LIP-9002

Entry

**Designed for:**

- Reception lobbies and meeting areas
- Manufacturing and retail floors

**Key Features**

- 4 flexible buttons
- Affordable large deployment with wideband voice



### Accessories

#### LIP-9012DSS

- 12 keys w/ triple color LED
- Paper underlay
- Power supply via keyset



#### LIP-9024DSS

- 24 keys w/ triple color LED
- Paper underlay
- Power supply via keyset



#### LIP-9024LSS

- 12 keys and 2 page button w/ triple color LED
- LCD underlay
- Power supply via keyset



#### Bluetooth Module (LIP-9000BTMU)

- Optional module
- Bluetooth V2.1+EDR
- Speakerphone or handset calls on a smartphone and Bluetooth headset



## LIP-9000 Series

|                    |   | LIP-9002   | LIP-9010                        | LIP-9020  | LIP-9030                 | LIP-9040                  |
|--------------------|---|--|---------------------------------|---|--------------------------|---------------------------|
| Display            | LCD Size (Pixels)                         | 128 X 32   | 320 X 48                        | 320 X 80  | 320 X 112                | 320 X 144                 |
|                    | LCD Dimension (W*H mm)                    | 63.4 x 13.1  | 94.5 x 18.0                     | 94.0 x 29.6   | 94.0 x 37.4              | 94.0 x 47.0               |
|                    | UI Line                                   | 2 Line   | 3 Line                          | 4 Line  | 6 Line                   | 8 Line                    |
|                    | Backlit                                   | N/A  | YES                             |   |                          |                           |
|                    | LCD Type                                  | Black and white  | Gray scale graphic              |   |                          |                           |
| Keypad             | - Programmable button with BLF            | YES (4)  | YES (5)                         | YES (10)  | YES (8X3 page, total 24) | YES (12X3 page, total 36) |
|                    | - Softkey                                 | N/A  |                                 | YES (3)   |                          |                           |
|                    | - Navigation key                          | N/A  | YES                             |   |                          |                           |
|                    | - Fixed button (dedicated hard keys)      | YES (10 buttons)   | YES (12 buttons)                |   |                          |                           |
|                    | - LED Buttons                             | YES (3 Color LED)  |                                 |   |                          |                           |
| Network interfaces | Ethernet (IEEE 802.3/1 Gigabit)           | YES (2*10/100 Base-T)  |                                 | YES (2*10/100/1000Base-T)                           |                          |                           |
|                    | Bluetooth (LIP-9000BTMU)                  | N/A  | YES (External Bluetooth Dongle) |   |                          |                           |
|                    | EHS                                       | N/A  | External EHS                    |   |                          |                           |
| Speaker            |   | YES (Half duplex)  | YES (Full duplex)               |   |                          |                           |
| Audio interfaces   | Handset (RJ-9)                            | YES  |                                 |   |                          |                           |
|                    | Headset (RJ-9)                            | YES  |                                 |   |                          |                           |
| XML                |   | N/A  | YES                             |   |                          |                           |
| Presence           |   | YES by BLF   |                                 |   |                          |                           |
| Power              | Local(Optional - 48V, 0.3A)               | YES  |                                 |   |                          |                           |
|                    | PoE (802.3af)                             | YES (Class 1)  |                                 | YES (Class 1 /wo Button Kit, Class 2 /w Button Kit) |                          |                           |
| Audio              | Codec                                     | G.711, 729AB & 722   |                                 |   |                          |                           |
|                    | Call Signaling Protocol                   | Ericsson-LG Enterprise iPECS protocol  |                                 |   |                          |                           |
| Network            | IP Address                                | Static/ DHCP   |                                 |   |                          |                           |
|                    | LLDP-MED, VLAN                            | YES  |                                 |   |                          |                           |
|                    | QoS                                       | Dynamic jitter buffering, 802.1p/Q, Layer 3 TOS, DiffServ  |                                 |   |                          |                           |
| Security           | Standard                                  | SRTP w/AES-128, 802.1x/EAP-MD5(EAPOL), Password login  |                                 |   |                          |                           |
|                    | VPN (Open VPN)                            | YES  |                                 |   |                          |                           |
| Management         | Auto/ Remote upgrade                      | YES  |                                 |   |                          |                           |
|                    | Web Management                            | YES  |                                 |   |                          |                           |
| H/W Spec.          | Active / Standby Powre consumption (Watt) | 1.93/ 1.80   | 1.93/ 1.80                      | 2.45/ 2.05  | 2.75/ 2.35               | 2.52/ 2.10                |
|                    | Diemnsion (HxWxD, mm)                     | 108x195x229  | 126.2x214.3x229                 | 126.2x214.3x229                                     | 126.2x228.9x229          | 126.2x228.9x229           |
|                    | Weight (Net, g)                           | 575  | 690                             | 737   | 767                      | 767                       |
| Others             | Phone tilting                             | N/A  | YES (2 Level Bracket)           |   |                          |                           |
|                    | Button kit Support                        | N/A  |                                 | YES (LIP-9012DSS/24DSS/24LSS)                       |                          |                           |
|                    | Wall mount                                | YES (Optional)   |                                 |   |                          |                           |
|                    | Ring type                                 | Wave file/FM method  |                                 |   |                          |                           |
|                    | Major features                            | Speed dialing, Redialing, Call holding, Call waiting, Call park/Call pick up, Call forwarding, Conference call, Volume up/down control, Caller ID, Distinctive ring/Multi-ring, Multi-lines, Direct mail/Messaging access, Directory/Phone book and full system features |                                 |   |                          |                           |

## DSS/LSS Option

| Model              | LIP-9012DSS                  | LIP-9024DSS | LIP-9024LSS           |
|--------------------|------------------------------|-------------|-----------------------|
| Compatibility      | LIP-9020/ LIP-9030/ LIP-9040 |             |                       |
| Flexible Button    | 12                           | 24          | 12 X 2 page, Total 24 |
| Underlay Type      | Paper                        | Paper       | LCD                   |
| Maximum Connection | 1                            |             |                       |
| Triple Color LED   | YES                          |             |                       |
| External Power     | N/A                          |             |                       |

## Bluetooth Module

### Hardware Specifications

- CPU: CRONUS 32 Bit CPU(ARM9, Max. 200MHz Core)
- Class 2 Level Output Power Available (Max. 4dBm)
- Bluetooth v2.1 + EDR
- Up to 10 meters range
- Master (for Headset) / Slave (for Smartphone) Mode support

### Product Features

- Connect with BT Headset or Smartphone(Master or Slave operation)
- Bluetooth Pairing: Bluetooth device searching, Pairing list display, Pairing and connecting

- Headset Profile, Handsfree Profile, Phonebook Profile, FTP profile
- Phonebook: Max 3000 contacts, Max 1 MB (Size)
- FTP speed: 40 Kbps
- Volume steps: 11 steps
- Support Rings: 8
- Sound path switching between handset and Bluetooth Headset
- Audio switching between smartphone and IP Phone
- Support upgrade of LIP-9000BTMU: Upgrade via Bluetooth
- Display CID of smartphone
- Öompatibility: BT Headset, Smartphone