

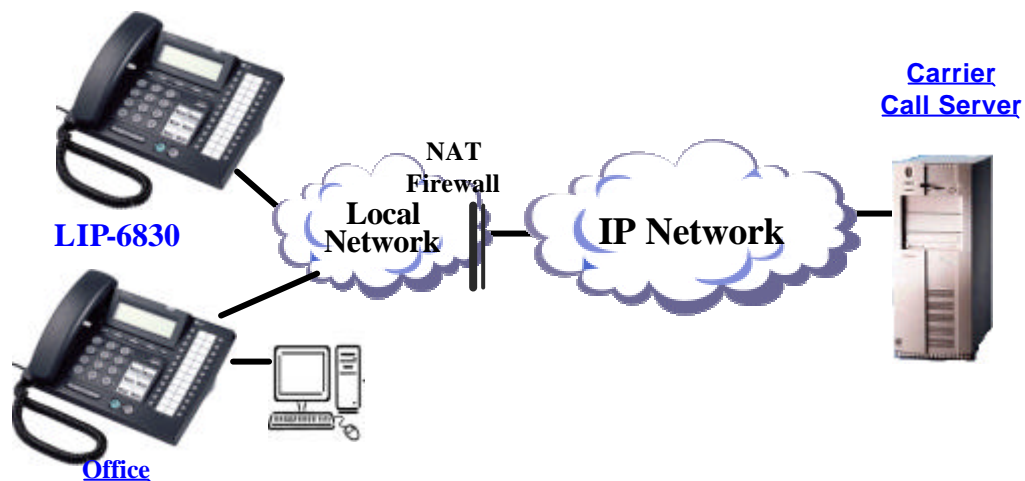
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***LIP-6830  
IP Phone***



## *IP Telephony for business*

The LIP-6830 is an advanced technology phone designed to enable real-time voice communication over IP networks. Employing the internationally recognized standard protocol, MGCP, the LIP-6830 interacts with the carrier's hosting Call Server to access features of the server as well as place and receive calls. The Carrier's Call Server platform provides an easy way to enable IP Phone access to a new class of business telephony features and compelling business applications, all over the company's LAN.



## *A family of stylish terminals*

The LIP-6830 is a member of LG's stylish 6800 series IP Phones. The LIP-6830 is at the high-end of the family of terminals offering a variety of features, 6 preassigned feature buttons and an array of 24 Flexible buttons which are programmable to meet the individual user needs. At the low-end is the LIP-6804, designed to address the needs of a lobby or low-use terminal. The mid-range LIP-6812 has many of the same features as the LIP-6830 with an array of 11 Flexible buttons. The common styling over a range of terminals assures the customer of a professional looking office environment while addressing the needs of individual users.

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## ***Simplicity, One-button feature Access***

The LIP-6830 has an array of fixed function buttons putting access to commonly used features at the user's fingertips. The 6 preassigned Fixed buttons allow access to basic features like Hold, Transfer, Conference and more at the touch of a button. With this simple intuitive interface, the busy manager and harried executive have easy access to features with minimal training. The LIP-6830 virtually eliminates the sometimes steep learning curve associated with menu access to commonly used features.



A group of twenty-four Flexible (programmable) buttons expands the One-button access simplicity. Each of the buttons is easily defined in the Users Portal for One-button access to features and menus not available from the Fixed buttons. The User portal, which employs a Web based user interface, let's the user easily define these buttons for access to special features, Speed Dial, etc.

## ***Versatile Answering/Coverage position***

The innovative *DSS/BLF Call Coverage* function, available uniquely in IP Phones from LG, make the LIP-6830 an ideal choice for the small Attendant Answering or Secretarial Call Coverage position. By defining a BLA (Bridged Line Appearance) button for *DSS/BLF Coverage* operation, the user gains one button access to the three functions needed by the Answering/Coverage position. The *DSS* (Direct Station Selection) function, dials the idle extension for transfers or direct calling, the *BLF* (Busy Lamp Field) function indicates the Line (user) status, busy, idle or hold and the *Call Coverage* function implements call pick-up for incoming calls to the covered extension.

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## ***Functional***

The LIP-6830 incorporates a high quality full duplex speakerphone. Users can have a handsfree conversation; there is no need to hold the handset. Hands are free to accomplish other tasks, such as input information on their desk-top PC. The MSG (Message) button gives single button access to the user's voice mail-box. When the MSG button illuminates indicating a message is waiting, touch the button to access the Voice Mail service menu and follow the voice prompts.

Advanced services of the Call Server such as Call Logs, favorites, etc. can be accessed by dialing the digit associated with the menu item. An alternative, use the [Next]/[Prev] soft keys to scroll through the Menu of services and the [OK] soft key to select the desired item.



## ***Advanced QoS & LAN technology***

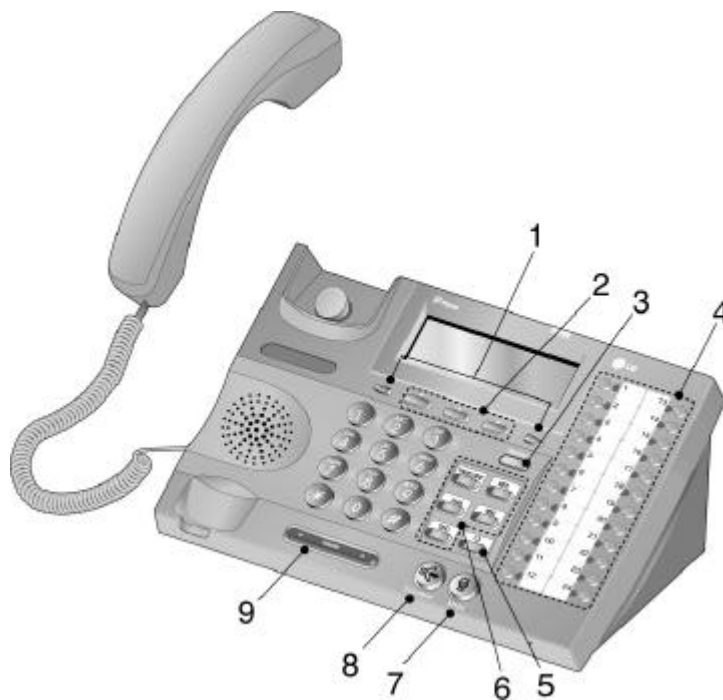
In business, telephony is critical and must meet accepted standards for Quality of Service, QoS. To establish acceptable QoS, the LIP-6830 implements IEEE 802.1p/Q standards based layer-2 VLAN technology and layer-3 Diffserv protocol. VLAN or Virtual LAN technology segregates traffic on the LAN, data and voice packets are separated for more efficient routing and reduced congestion. VALN also prioritizes LAN traffic, voice or RTP packets are given priority over lesser priority data packets.

Diffserv implements packet priority at the network level. Each router prioritizes packets based on the Diffserv code point. At each hop (router), voice packets are given priority over less time-sensitive data packets.










The LIP-6830 also implements the PoE (Power over Ethernet) standard, IEEE 802.3af, to allow deriving power remotely. Standards compatible LAN switches provide operating power to the LIP-6830. This allows a more centralized and manageable power source.

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### *LIP-6830 buttons simplify use & training*

- |   |   |  |
|---|---|--|
| 1 |  | Left/Right Menu navigation buttons.  |
| 2 |  | 3 Soft keys, access to Menu items.   |
| 3 |  | Settings button, access to Configuration menus.  |
| 4 |  | 24 Flex buttons, access feature defined in User/Admin Portal.  |
| 5 |  | Headset button, activates/deactivates headset.   |
| 6 |  | Preassigned Feature buttons, <ul style="list-style-type: none"> <li>• TRANS/CONF</li> <li>• HOLD</li> <li>• DND</li> <li>• MSG</li> <li>• INFO.</li> </ul> |
| 7 |  | Mute button, turn microphone On/Off (Handset, Speakerphone, Headset).  |
| 8 |  | Speaker button, activate/deactivate full duplex Speakerphone   |
| 9 |  | Volume control for Speakerphone, handset, headset and ringer.  |

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## ***LIP-6830 key features\****

- o Bridged Line Appearance
- o Call Forwarding
- o Call Hold
- o Call Logs
  - Incoming Calls
  - Outgoing Calls
  - Missed Calls
- o Call Park
- o Call Pick-up
- o Call Transfer
- o Call Waiting
- o Call Return
- o Last Number Redial
- o Click-to-Call
- o Conference (3 or 4 -way)
- o DID (Direct Inward Dialing)
- o DOD (Direct Outward Dialing)
- o DND (Do Not Disturb)
- o DSS/BLF Call Coverage
- o Speed Dial
- o Flexible Feature Mapping
- o Message Wait Indicator
- o Caller Information (ID)
- o Rep Check-in/Check-out
- o Volume Control
  - Ring / Tone
  - Handset
  - Speaker
- o Distinctive Ringing
- o Intercom
- o NAT Traversal Keep Alive Message
- o Remote Upgrade & Diagnostics
- o LCD contrast control

\* Some features may not be available based on subscribed services.

## ***Simple set-up & configuration***

Installation and configuration are simple, efficient and flexible, connect the LIP-6830 to the company LAN. If desired, connect the user's desk-top PC to the "PC" port of the LIP-6830 to provide a single wire infrastructure. If PoE is not supported by the LAN, connect an optional AC/DC adapter to power the IP Phone.

The LIP-6830 is virtually self-configuring; using DHCP for IP configuration and the TFTP (Trivial File Transfer Protocol) auto-download function, the LIP-6830 will request a full configuration from the appropriate server. When auto-download is not implemented, use the Settings button to access the Configuration Menu locally for Dial-pad configuration. The INFO button simplifies trouble-shooting by displaying the LIP-6830 configuration information. Or, use the LIP-6830 Web Manager, a Web based alternative to fully configure the Phone using a Web browser and user friendly GUI.

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## ***LIP-6830 phone specifications***

- Telephony Protocol : MGCP
- Network I/F : IEEE 802.3 10/100 Base T Ethernet, 2 Ports;
  - 1 – IP Phone to LAN
  - 1 – Desktop PC to Phone
- Power : IEEE 802.3af PoE (Power over Ethernet) or  
Optional AC/DC Adapter
- Network Protocol : TCP/IP,UDP,DHCP,TFTP,NTP,RTP
- QoS : TOS, Diffserv
  - IEEE 802.1p/Q
  - VLAN Tag
  - Priority
- Buttons : 6 preassigned feature buttons  
24 Flex buttons  
Left/Right Navigation keys  
3 Soft keys
- Audio Codecs : G.711, G.729A
- Phone : Full Duplex Speakerphone  
Two Ring tones  
Handset, Speakerphone & Ring volume settings
- Physical : 108 x 257 x 190 mm, 1.02Kg
- Approvals : FCC Part 15 Class B,  
HAC (Hearing Aid Compatible)  
UL  
CSA
- Temperature.: : operating 0<sup>0</sup> ~ 40<sup>0</sup> C at 10 to 85% RH  
: storage -20<sup>0</sup> ~ 60<sup>0</sup> C at 10 to 85% RH

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