

LDK1248 Introduction (Draft)

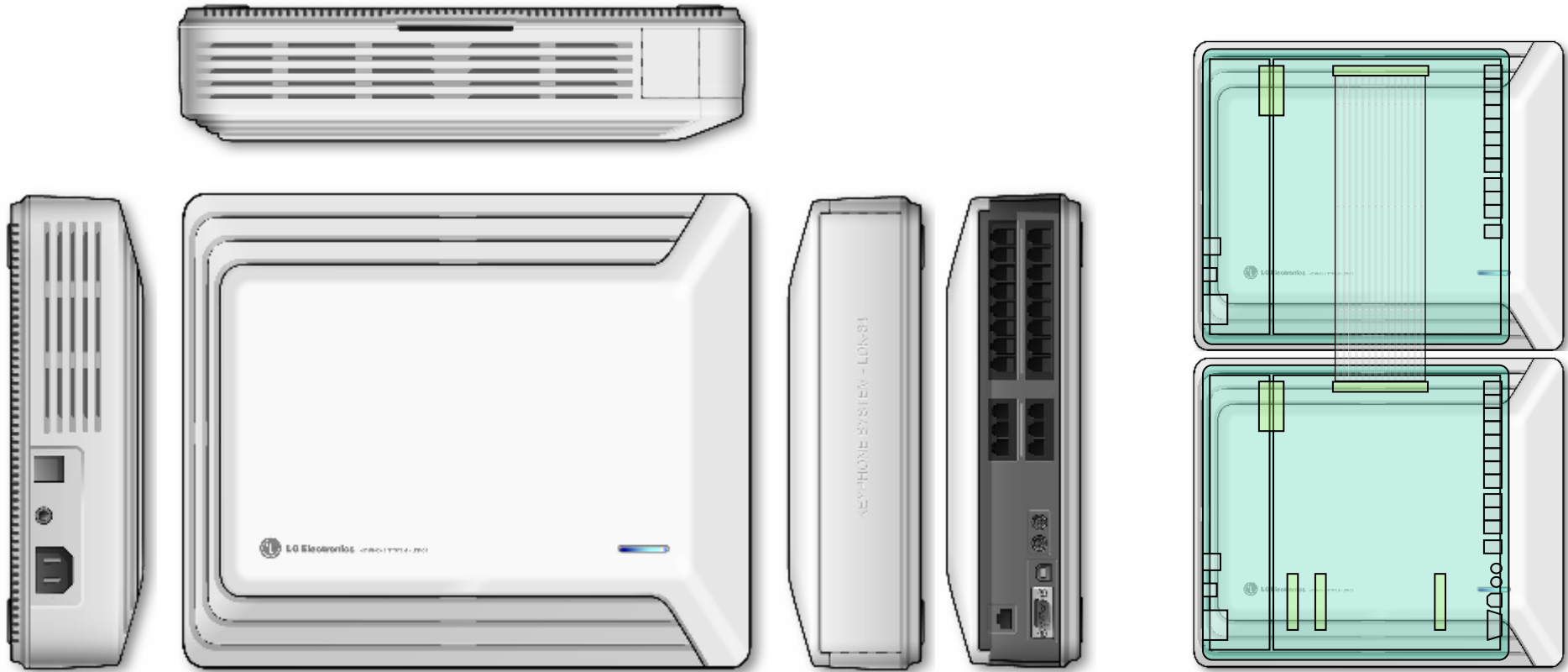
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2005. 12.

International Enterprise Sales Div./ BCS Export Team



I. Outlook



Left side

Basic KSU

Right side

BKSU & EKSU
(Wall Mount)

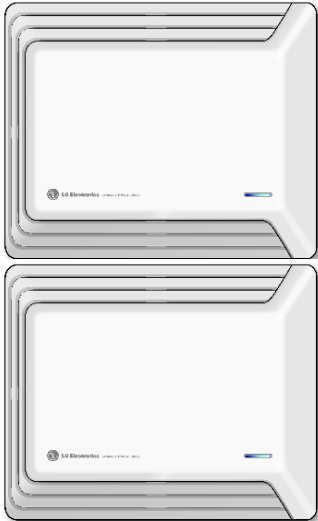
Design
Requirements

- . Rack mountable, Wall mountable
- . Enough Space of Air vent hole
- . Compact Type

III. Product Overall

System Component & HW Resource


Basic resources	
<ul style="list-style-type: none"> • CID : CO, SLT (FSK,DTMF) • SMS receive / send • DTMF receiver • Call Progress Tone detection • Auto Fax Tone detection • 1 Int. MOH (8 Poly Music) • 1 Ext. MOH / 1 Paging • 1 USB, 1 RS-232C • 1 Alarm Sensor • 1 Loud Bell or Door Opener Relay • RGU(25Hz) • PSU (Ext. Battery Back-up) 	Total 32 ch
Optional Components	
<ul style="list-style-type: none"> • 3/ 8 Card (3 CO / 8 Hybrid) • 3/16 Card (3 CO / 16SLT) • 8 SLT Card • VMIU (4ch) / AAFU (4ch) • MODU (MODEM I/F Unit) • LANU (LAN I/F Unit) • 2DPU (2 Door phone I/F Unit) • CMU (50/PR Call Metering Unit) • Door phone Box 	

Capacity (Total 12 / 32 or 12 / 48)			
		<p>Exp. KSU 308 (Max. 6/16 or 6/24)</p> <p>Basic KSU 308 (Max. 6/16 or 6/24)</p> <p>• Cabinet Size 340 x 300 x 80 (mm)</p>	
	Basic	Expansion	Remark
Capa Basic Max	3/08 6/16 or 24	3/08 6/16 or 24	6/24 with 3/16 card On each KSU
Resources	OK	OK	32 ch
Slot	1 + 4 Conn.	1 + 1 Conn.	
Available Option	3/08, 3/16 8 SLT VMIU/AAFU MODU,LANU 2DPU 50/PR CMU	3/08, 3/16 8 SLT 2DPU	

III. Product Overall

Feature List

System
<ul style="list-style-type: none"> • Admin <ul style="list-style-type: none"> -.PC Admin : Easy Install (Help File) -.12BTN KTU Admin -.Multi station Admin (not simultaneously) • 15 party Conference <ul style="list-style-type: none"> -.Enhanced Toll restriction feature • Call Restriction <ul style="list-style-type: none"> -.Forced Trunk disconnection -.Call Cut-off/timer station base program -.Built in billing (supplies tariff DB) • Others <ul style="list-style-type: none"> -.Each Extension Call Monitoring -.Caller ID Transfer to SLT -.Extension SLT CLI Display -.Day/Night mode Display

KTU		
KTU : LDP-6030, 6012 & DSS  } No Option unit -. Hybrid connection		
vs Panasonic)		
	LG	Panasonic
Expandable	3/08~12/32,48	3/08 ~ 8/24
Analog CLI	Basic : Max 32ch share	Option -.3ch * 3 cards
LAN I/F & PC based Application	I/F Option -.PC Phone/ATD Application -.Remote Admin	N/A
AA/VMIU	-.4ch, 10min Option =>Max ch	-.1ch, 3min basic .1ch, 3min ,Opt. Max 2ch 6min
MODEM	-.Option =>.LAN I.F	-.Basic

IV. Specifications

System Specification

Description	Capacity / Board	Total
CO Line ports	Basic KSU: 3 /MBU, 3 /308HYB or 3 /316SLB Exp. KSU: 3 /EMBU, 3 /308HYB or 3 /316SLB	Max. 12 (Analog CO)
Max direct station connections	Basic KSU: 8 /MBU, 8 /308HYB or 8 /8SLB or 16 /316SLB Exp. KSU: 8 /EMBU, 8 /308HYB or 8 /8SLB or 16 /316SLB	Max. 48 (DKT Max. 32, SLT Max. 47**) ** BKSU 1'st Port DKTU only .
Station Speed Dial Bin	24 digits each	100 / station
System Speed Dial Bin	24 digits each	500
Last Number Redial	10	32 digits
CO Line / Station Group	8 /10	8 /10
Door Phone Interface	1 + 2 / MBU,EMBU	5
Music Source (Int. / Ext.)	1 + 1 / MBU	2
External Paging	1 / MBU	1
External Relay Contact	1 / MBU (for Loud Bell or Door Open Control)	1
Alarm Input	1 / MBU	1
RS-232C / USB Port	1 + 1 / MBU	2
LAN Interface	1 / LANU	1
MODEM Interface	1 / MODU	1
DTMF / Call progress tone / Auto Fax detection	System Resource	Max. 32 ch

IV. Specifications

System Components List

ITEM	Board	Description
KSU		Key Service Unit
EKSU		Expansion Key Service Unit
Main boards	MBU	KSU Main Board Unit (3 LCOs, DKT & SLT Hybrid 8 ports) . Internal MOH, External MOH, Paging, Relay Contact, Alarm Input . 1 RS-232C port for PC Admin or SMDR Print out . 1 USB port for S/W upgrade and maintenance/diagnosis . Power supply unit and RGU, Battery backup circuit . 1 PFTU circuit
	EMBU	EKSU Main Board Unit (3 LCOs, DKT & SLT Hybrid 8 ports) . Power supply unit and RGU, Battery backup circuit . 1 PFTU circuit
CO Line and Extension boards	308HYB	Loop Start CO Interface Board, 3 ports DKT & SLT Hybrid Interface Board, 8 ports, 1 PFTU circuit
	316SLB	Loop Start CO Interface Board, 3 ports SLT Interface (+30V Feed) Board, 16 ports, 1 PFTU circuit
	8SLB	SLT Interface (+30V Feed) Board, 8 ports
Other boards	VMIU	Voice Mail Interface Board, 12 channels / 2 hours
	AAFU	Auto Attendant Function Board, 4 channels / 30min
	MODU	Modem interface board for Remote system access
	2DPU	2 Door Phone Interface Unit
	LANU	LAN Interface board

IV. Specifications

New Feature List(1/2)




New Feature		Description	Remark
Admin	PC Admin	New PC Admin for small system based on current that of LDK.	New PC Admin will be implemented through surveying dealer's opinion on Aug~Sep/ 05
	KTU Admin	Admin also can be conducted by 2 kinds of KTU : 30 BTN and 12 BTN	
Conference	Max 15 party	Max 15 party conference can be possible mixed COs and Extensions.	
Call Duration restriction	Pre-paid call	Co Call time can be restricted by pre-paid amount.	Use CMU (Polarity reversal type CMU)
	Forced trunk disconnection	Co call can be disconnected by authorized extension.	
	Call cut-off/timer station based	Co call can be disconnected based by set timer.	Extension can hear warning tone before call cut-off.
	Barge in	Co call can be listened by other extension	
Voice guide	No answer/busy	Caller can be guided with voice on each status when called party is in no answer and busy situation.	Use AAFU or VMIU
Call Monitoring		Authorized extension can monitor certain extension's call.	

IV. Specifications

New Feature List(2/2)

New Feature		Description	Remark
Caller ID transfer to SLT		When incoming call having caller ID is transferred to another CID SLT extension, the caller ID can be delivered to the SLT extension also.	
CLI Message waiting			
Attendant through dial		Extension can make a call through Co by assisting of attendant without hanging up the call.	
Adding more class of service with allow/deny table		9 types of COS can be programmed Regarding number of table bin increasing, more study should be done to fix whether develop it or not.	
Super password controlling COS		When authorization code is set, COS also can be defined as a attribute of the authorization code.	
Station relocation		Station can be relocated without re-input Data base for each station.	
MOH Quality		MOH quality is improved to 8 polyphonic sound.	
Application	PC Phone	LG ez Phone can be used	LAN I/F unit, Each License code and S/W copy are required
	PC Attendant	LG ez Attendant can be used	

V. Comparisons

Item		LGE LDK-1248	Pana KX-TES824ML	NEC Aspila TOPAZ
Design				
System Size		340 X 300 X 80 = 8,160	368 X 284 X 117 = 12,228	360 X 270 X 85 = 8,262
System architecture		Digital	Analog	Digital
Scalability	Basic	3 trunks, 8 exts	3 trunks, 8 exts	3 trunks, 8 exts
	Max	12 trunks, 48 exts	8 trunks, 24 exts	27 trunks, 72 exts (A) 51 trunks, 96 exts (D)
Extension port		Hybrid: 16 ports SLT : 8 ports	Hybrid: 16 ports SLT : 8 ports	Full Hybrid port
PC Connection		USB,RS-232	USB,RS-232	Optional,USB(X)
Caller ID Capability	Trunk	Built-in	Optional	Built-in
	Analog Ext	Built-in	Built-in	Built-in
Door Phone / Opener		1 + 2 /Cabinet (Optional)	4 Optional	2 /Cabinet (Optional)
Internal MOH		8 Poly Music	Dual tone Melody	Dual tone Melody
Power Failure Transfer		1EA /3CO	1EA /3CO	1EA /3CO

V. Comparisons

Item		LGE LDK-1248	Pana KX-TES824ML	NEC Aspila TOPAZ
Auto attendant		10 min / 4ch (Optional)	3 min / 1ch (Optional)	Optional
In-skin Voice Mail		2 hour / 4ch (Optional)	1 hour / 2ch (Optional)	15 hour / 16ch (Optional)
Speed dial	System	500	100	2,000
	Terminal	100 / Terminal	10 / Terminal	20 / Terminal
Fixed line SMS Terminal support		Available	Available	N/A
Headset Jack		Available	Available	Jack common to a handset
VoIP Trunk		N/A	N/A	<i>Future available</i>
Digital Trunk		N/A	N/A	ISDN BRI
Terminal		Hybrid LDP-6000 Series support  DSS 30 btn 3 Line LCD 12 btn 3 Line LCD DSS * N/A Optional Unit	KX-T7700/T7300/T7000 Series support  12CO/12OD Monitor w/o LCD 1 line LCD SPK 3 line LCD SPK * 2 color and back lit terminal available	 4 Line up 6CO/100D w/o LCD 6CO/100D w/ 2Line LCD, SPK 12CO/100D w/o LCD 12CO/100D w/ 2Line LCD, SPK * 3 color designation sheets available