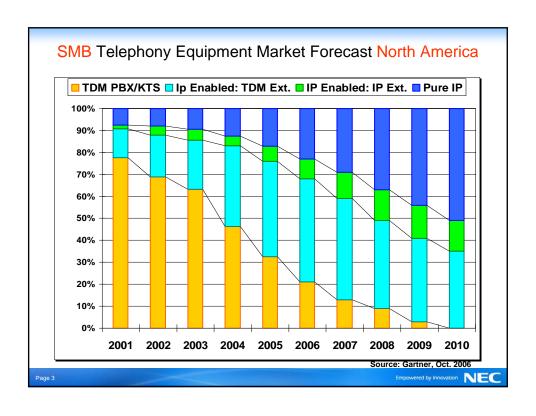
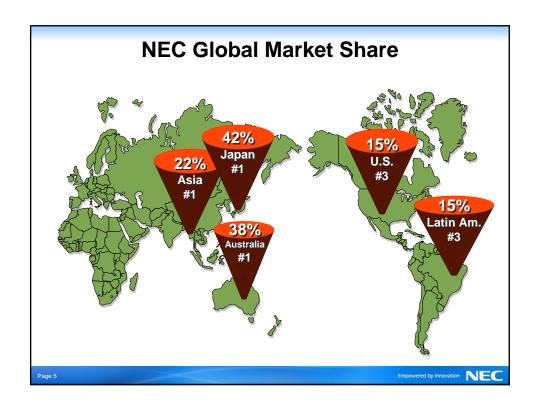


Small-to-Mid-Sized Business Market Predictions







What Small-to-Mid-Size Businesses Require...

- . Communications solution that is:
 - Scalable
 - Reliable
 - Seamless between branch offices or remote locations
 - Secure with a high-level of Quality of Service
 - Customizable to meet businesses and individuals needs
- Protection of technology investment
- Pure IP with flexibility to support TDM
- Integration of various devices and technologies
 - Bluetooth
 - WiFi
- Advanced productivity applications and collaboration tools
 - Conference bridge for voice and video
 - White Board, file share and chat







UX5000 Concept and Positioning

age 7

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Product Concept

- UX5000 is a new hardware platform that supports a new family of UX-IP and UX-Digital terminals
- UX5000 software is an evolution of the Aspire.



Page 8

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Product Concept

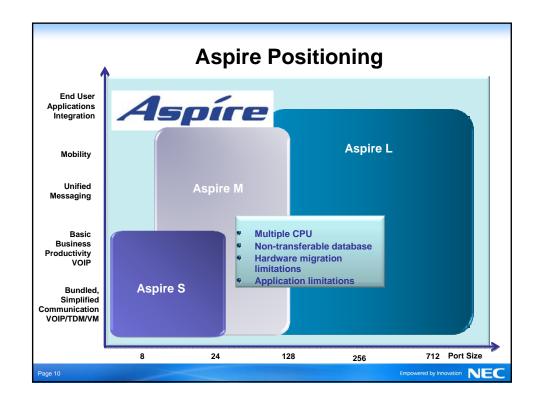
- * Platform is flexible and scalable
- Can lead with Pure IP
- Can support TDM
- License concept benefits the customer and dealer
- Expands on the existing Aspire feature set.

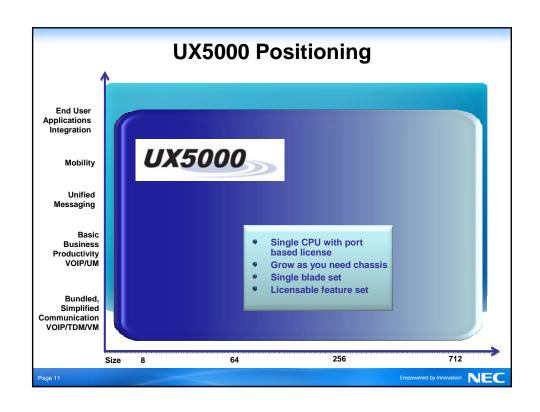


Page 9

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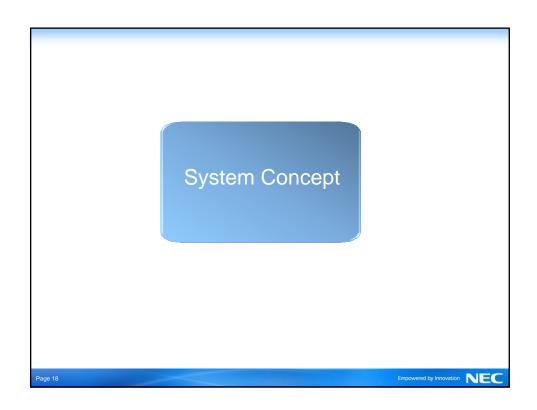
Product Highlights

- CygniLink
 - Advanced IP network providing seamless and transparent operation across network
- IT Manageability
 - New application oriented Web/PC Pro with installation wizards
- Aspire Migration
 - Aspire phones migrate to UX
 - Aspire customers can reduce the cost of upgrading to UX by leveraging their existing phone investment
- Quick Start up
 - What you know about Aspire is transferable

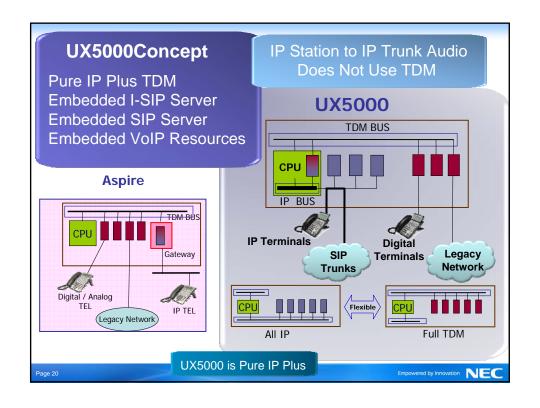
Page 15 Empowered by Innovation NEC



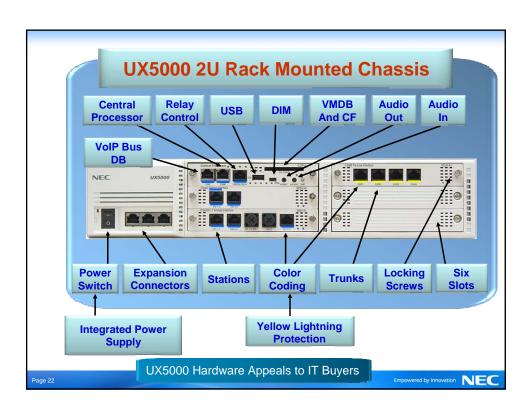


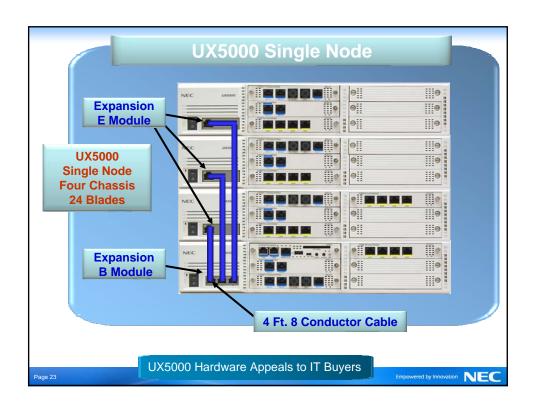


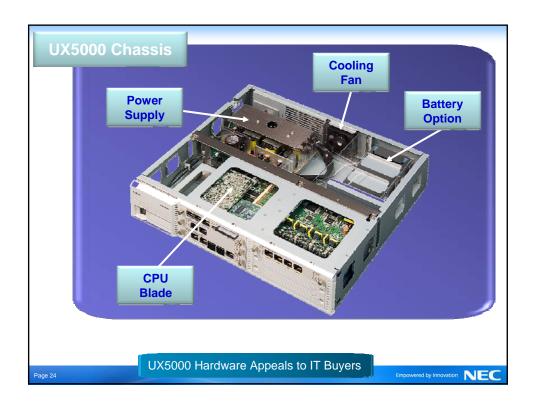


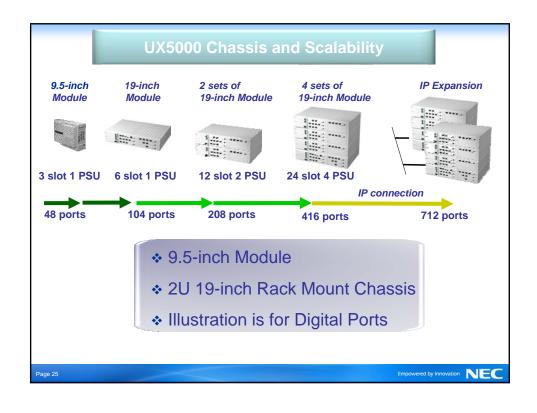


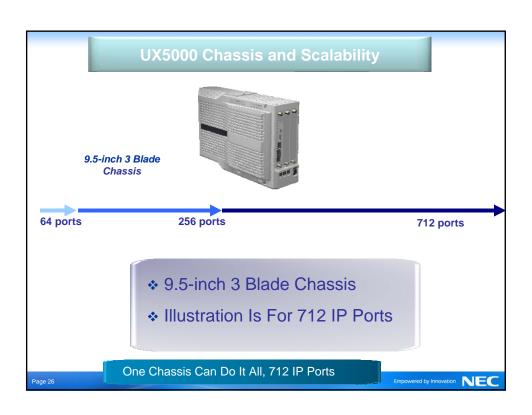




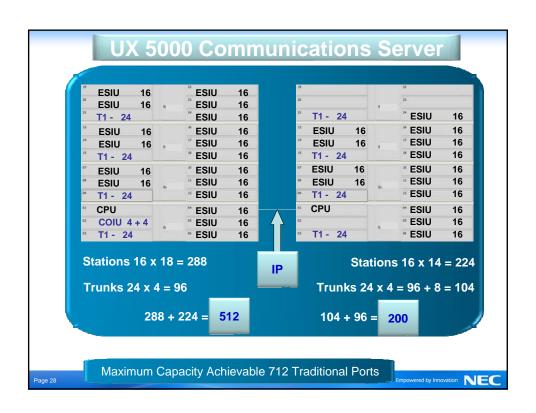




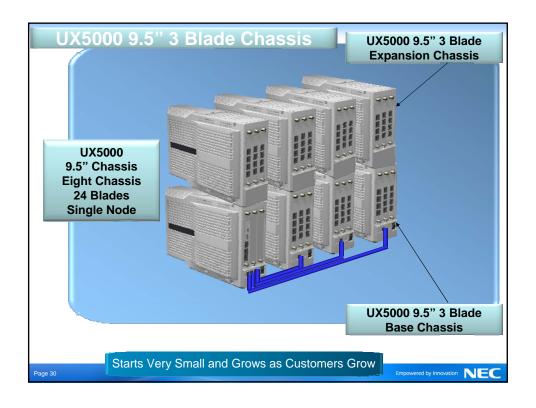




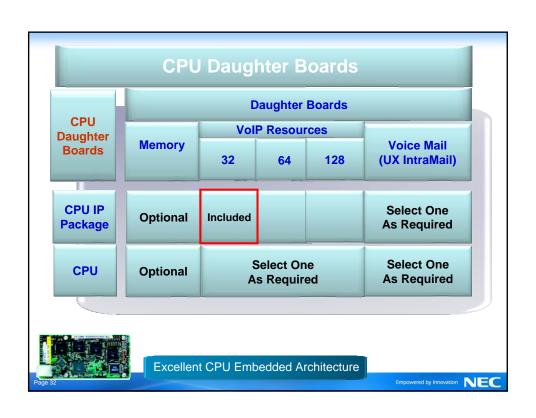
		U	X500	0 19	' 2U	Cha	ssis	
	5000 Chassis	Chassis	Mod EXP B	lules EXP E	Slots	T1s	TDM Time Slots	TDM Terminals
		1	0	0	6	4	104	80
	Node 1	2	1	1	12	8	208	160
		3	1	2	18	8	312	240
Cygni-		4	1	3	24	8	416	320
Linked	Node 2	5	2	3	30	8	520	400
		6	2	4	36	8	624	480
		7	2	5	42	8	712	512
		104 TDM Ch	annels an	d 80 TDM	Termina	als Max F	er Chass	iis
age 27		Lar Configured		mall Batte			Aspire	mpowered by Innovation



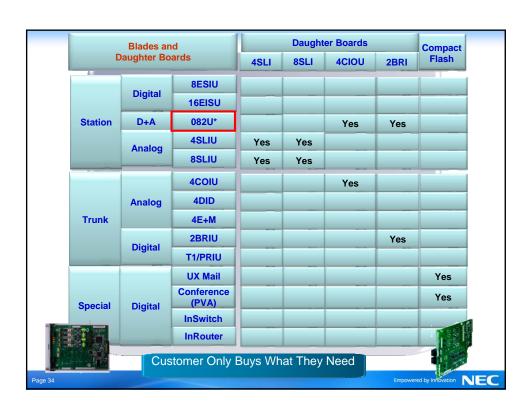




	UX5000 i" Chassis	Mod	lules		Non-Simultaneous			
Main	Chassis Expansion	EXP 0	EXP 1	Slots	T1s	TDM Slots	TDM Terminals	
	0			3	2	48	32	
1	1	0	0	6	4	104	80	
	1			9	6	176	128	
2	2		1	12	8	208	160	
	2			15	8	280	176	
3	3	1	2	18	8	312	240	
	3			21	8	384	288	
4	4	-	3	24	8	416	320	
104 TDM	Channels and 80	TDM Termi	nals Max Po	er Chass	sis and	Expans	ion Chassis	
	Larg	e and Small	Battery Ba	ck Up O	ptions			
S	Starts Very Sm	all and Gro	ows as C	ustome	ers Gro	ow]	Empowered by Innovati	



Memory	Basic	Port Expan	nsion License	More Than	More Than	CygniLink	
Daughter Board	System	65-256	257-712	1 Combo Blade	8 IntraMail Ports	Networking	
CPU Without Memory DB	Yes						
CPU With Memory DB	Yes	Yes	Yes	Yes	Yes	Yes	



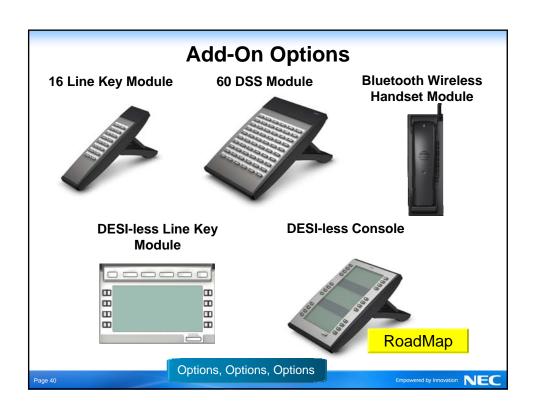




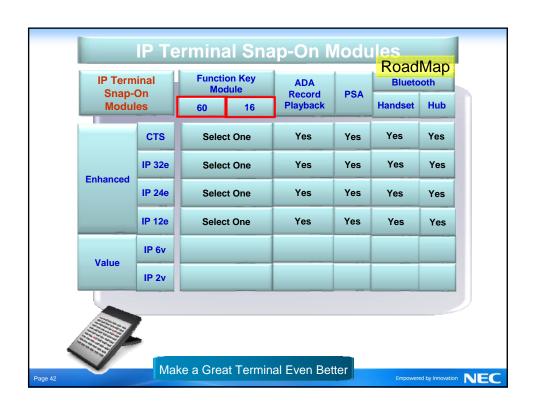




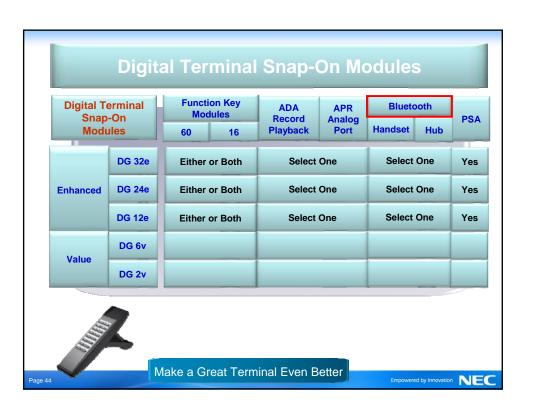




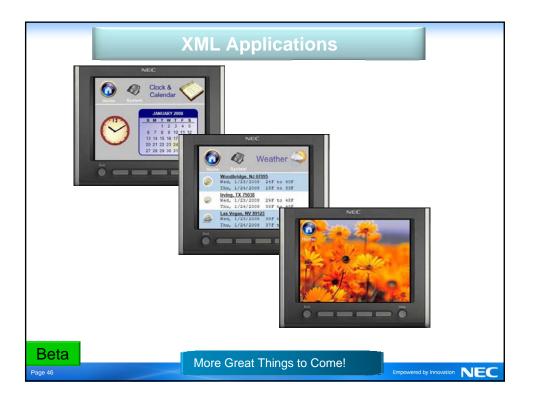
	IP Terminals										
IP Term	inals	Color Black White		Function Keys	Full Duplex	Backlit Display Keypad	XML Open Interface	Built In Data Switch	Security Lock		
	стѕ	Yes		8 (4 Pages)	Yes	Yes	Color Touch Screen	Yes	Yes		
	IP 32e	Yes	Yes	8 (4 Pages)	Yes	Yes	5 Line	Yes	Yes		
Enhanced	IP 24e	Yes	Yes	24	Yes	Yes	5 Line	Yes	Yes		
	IP 12e	Yes	Yes	12	Yes	Yes	5 Line	Yes	Yes		
Value	IP 6v	Yes		6	Yes		5 Line	Yes			
value	IP 2v	Yes		2	Yes			Yes			
Page 41	UX Offers a Full Range of IP Terminals Empowered by Innovation NEC										



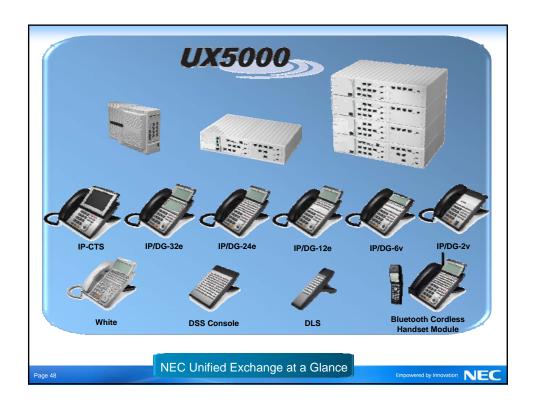
Digital 1	orminale	Colo		Function	Full	Display	Backli
Digital Terminals		Black	White	Keys	Duplex	2.04.0,	
Enhanced	DG 32e	Yes	Yes	8 (4 Pages)	Yes	4 Line	Display Dial Pa
	DG 24e	Yes	Yes	24	Yes	4 Line	Dial Pa
	DG 12e	Yes	Yes	12	Yes	4 Line	Dial Pa
Value	DG 6v	Yes		6		3 Line	
	DG 2v	Yes		2			

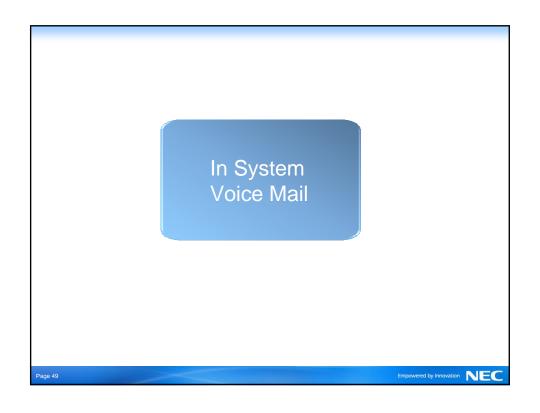


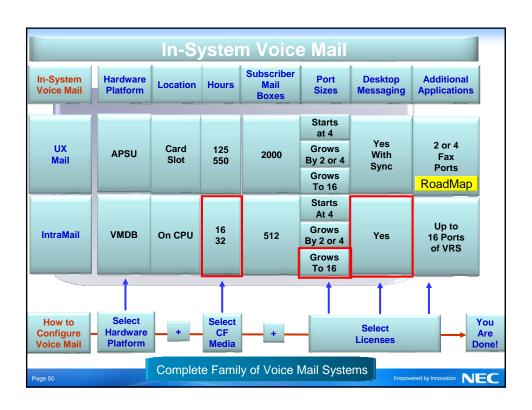


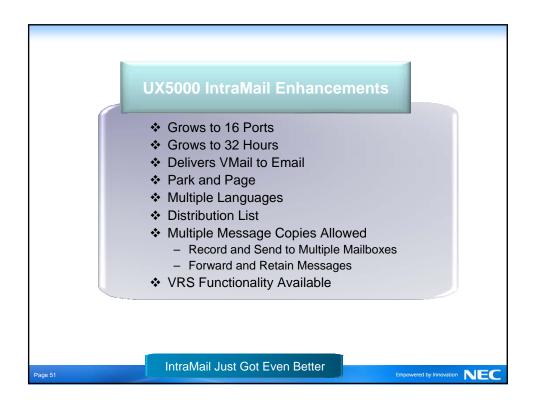


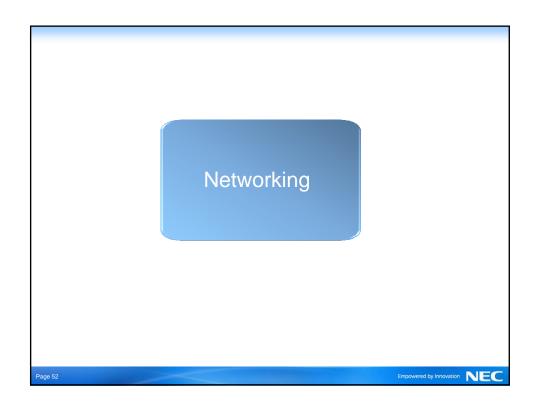


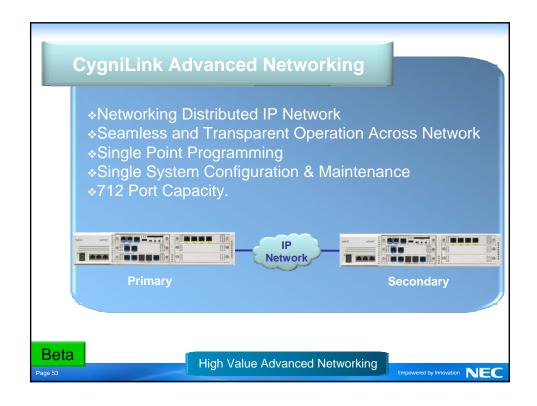


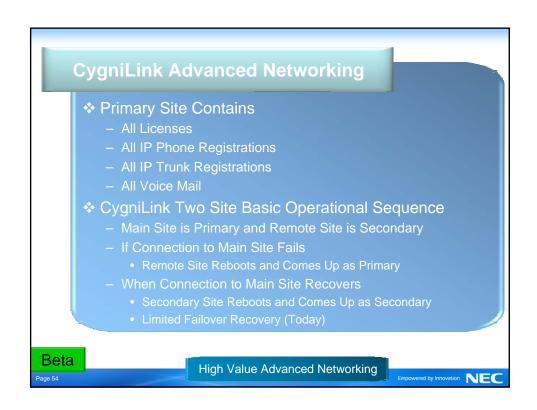


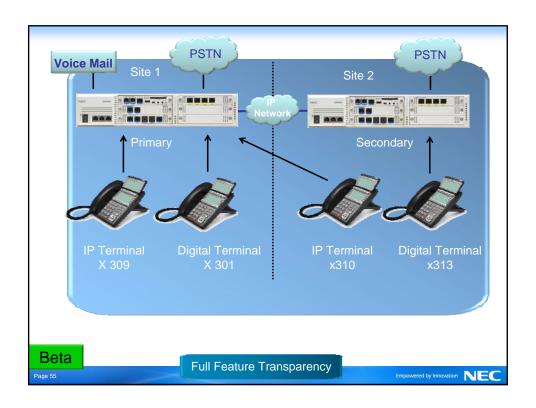


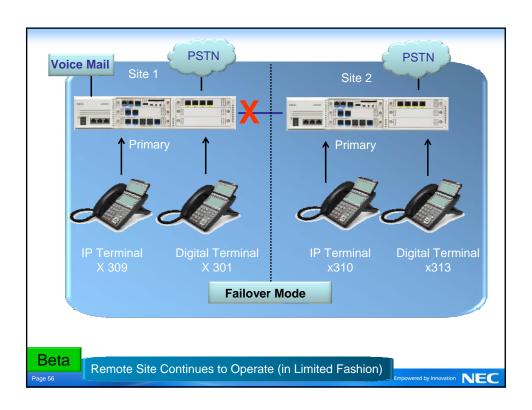


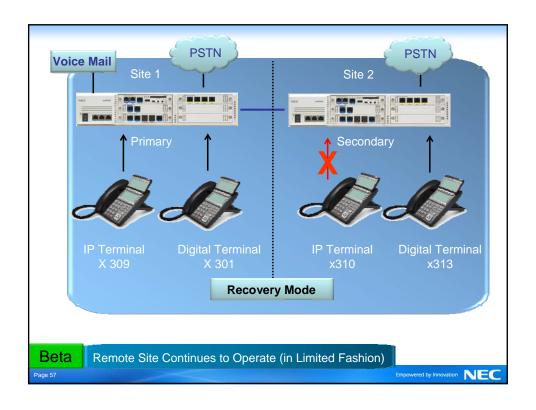


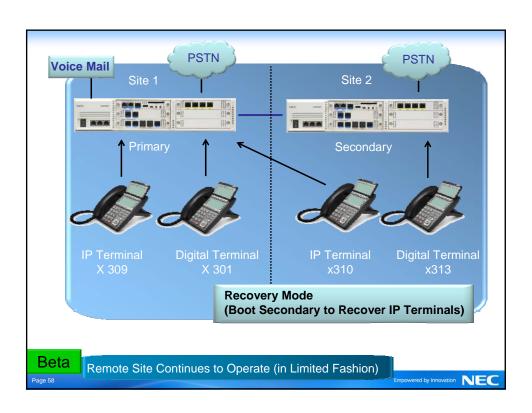




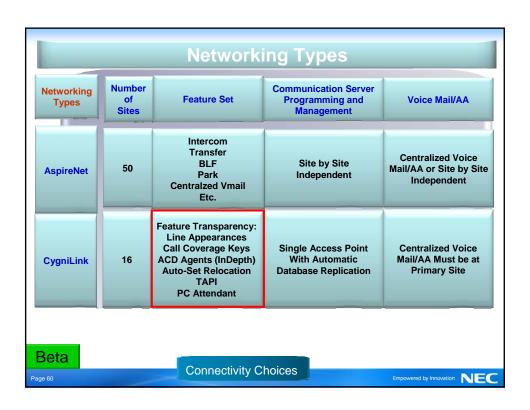








VoIP Resource Totals												
VoIP			Main Site					link - Ren	note Site	AspireNet - Remote Site		
	ource otals	IP Term	IP Trunk	Digital Term	Analog Term	Voice Mail	IP Term	Digital Term	Analog Term	IP Digital Analo Term Term Term		
	IP Term	0	2	1	1	1	0	2	2	4	3	3
	IP Trunk	2	2	1	1	1	1	3	3	4	3	3
Main Site	Digital Term	1	1	0	0	0	1	2	2	3	2	2
	Analog Term	1	1	0	0	0	1	2	2	3	2	2
	Voice Mail	1	1	0	0	0	1	2	2	3	2	2
Resource Maximums 32/64/128												
Page 59 Purchase Only What You Need Empowered by Innovation NEC												



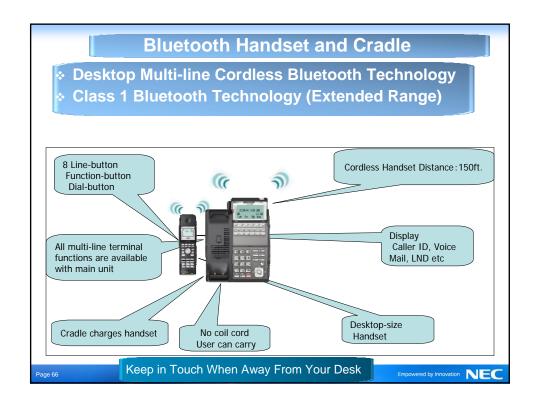


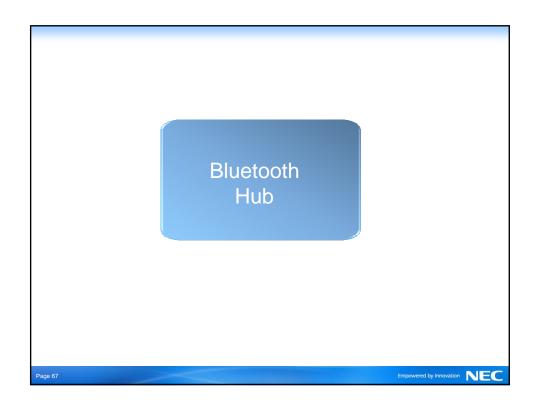




















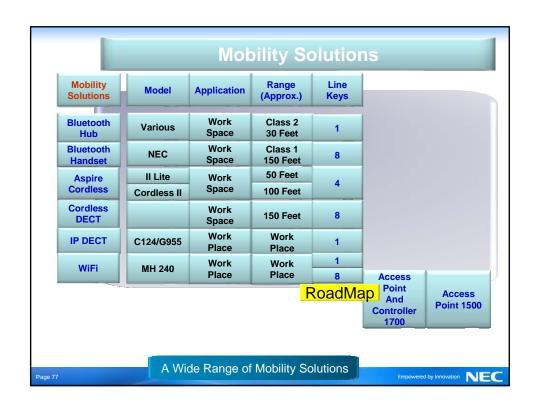






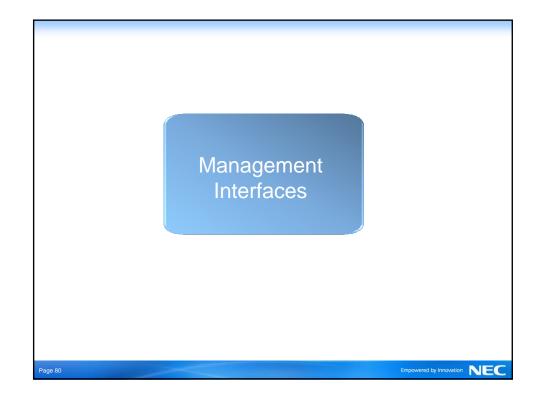


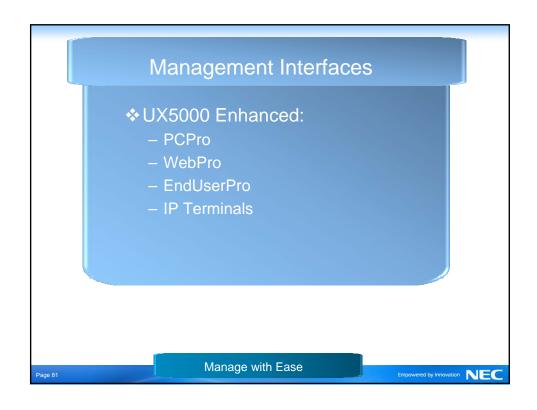


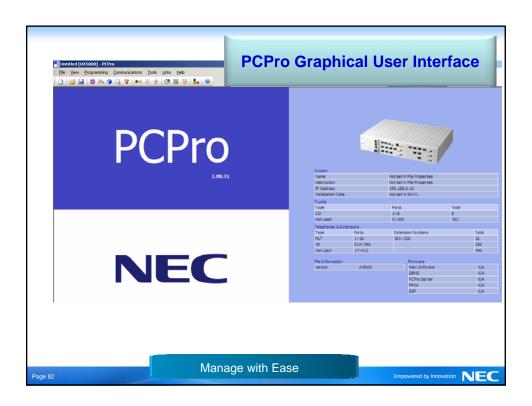




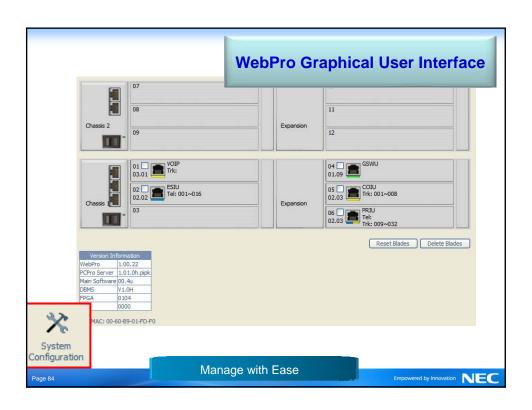
What is Mobile Extension? Mobile Extension Behaves Like An Internal Extension Port Of The UX5000 But Is Linked To An External Telephone Or Number, Preferably A Mobile Cell Phone A Call To The Mobile Extension Is Effectively A Call To A Proxy Port, Which Will Establish A Connection Through A PRI Channel To The External Phone The External Phone Or Cell Phone Can Remotely Control The Proxy Port By Means Of DTMF Dialing The Proxy Port Has All Features Of An Analog Port.

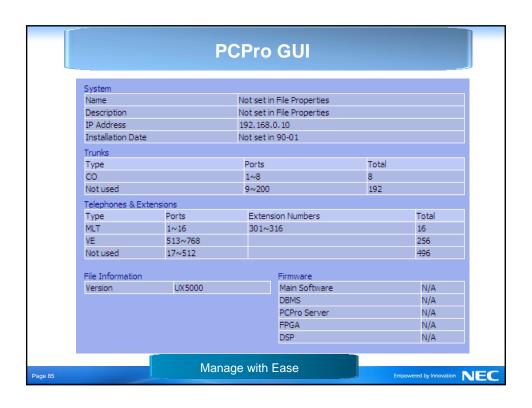


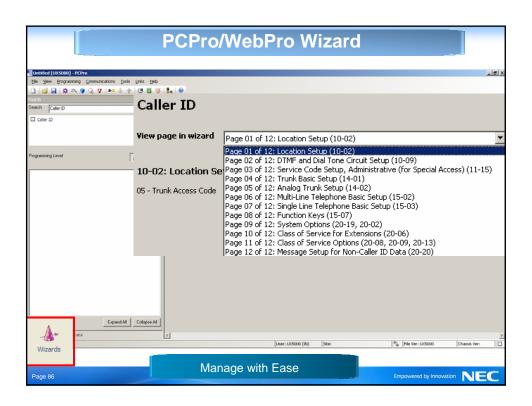


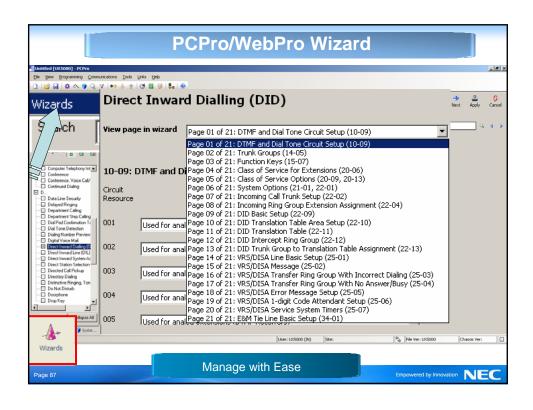


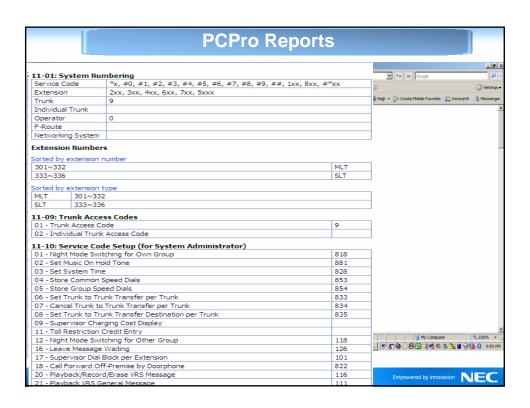




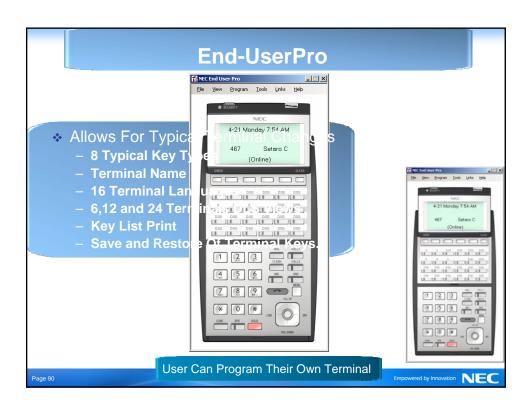


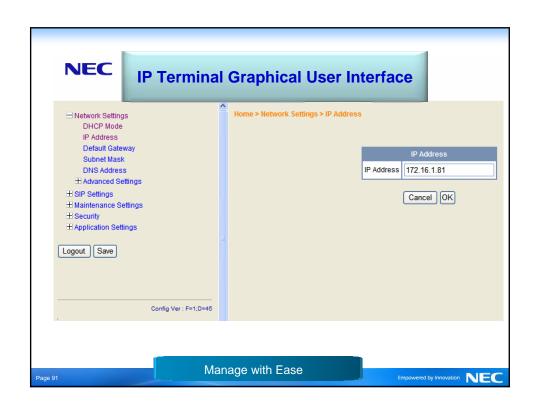




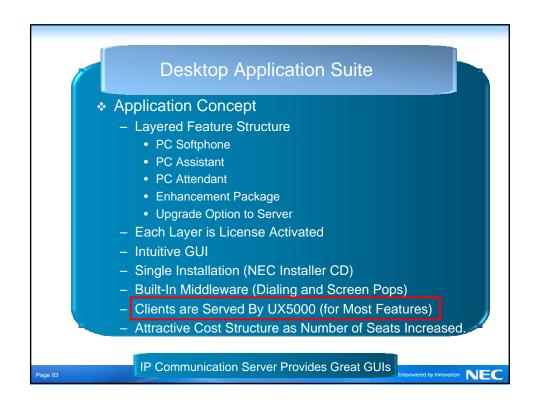




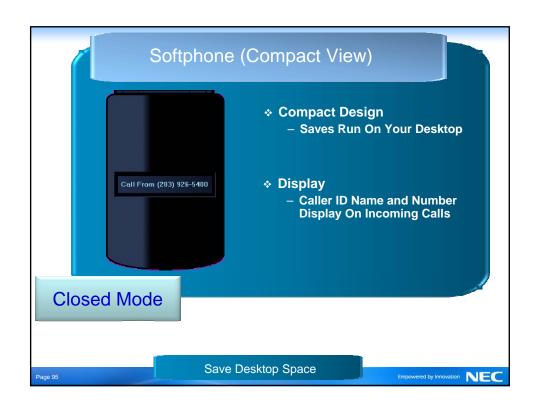








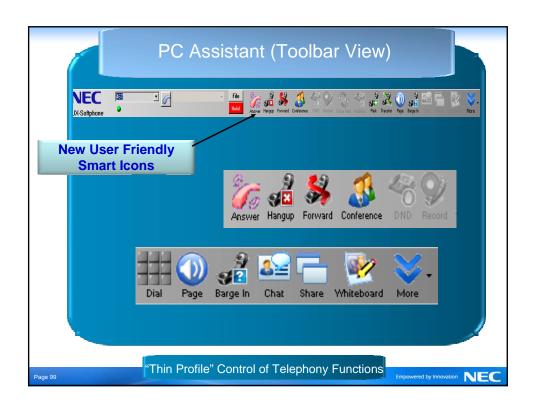


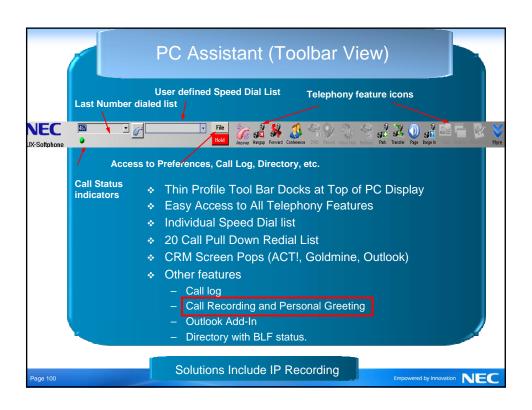


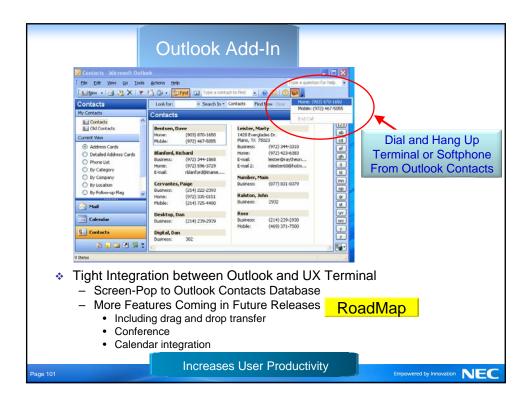


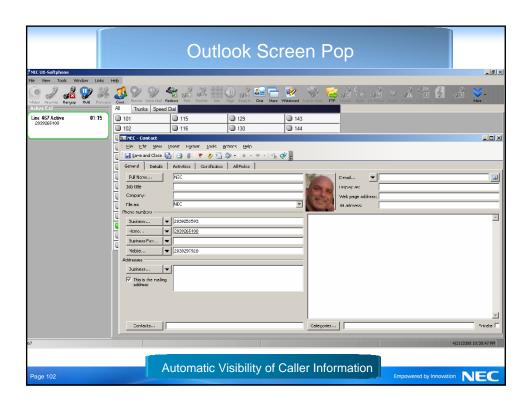


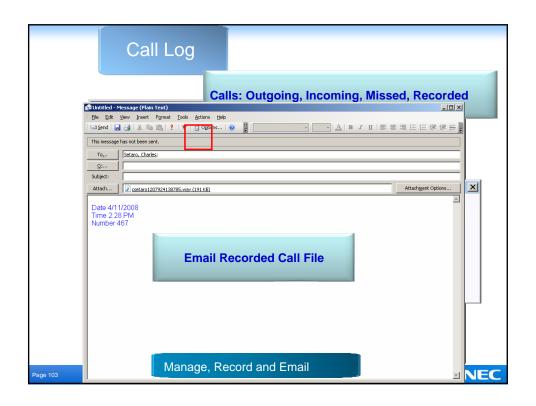


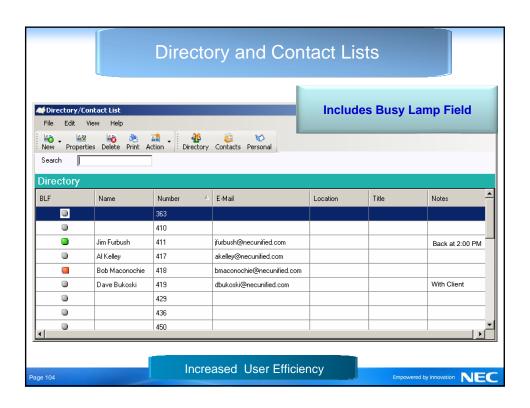


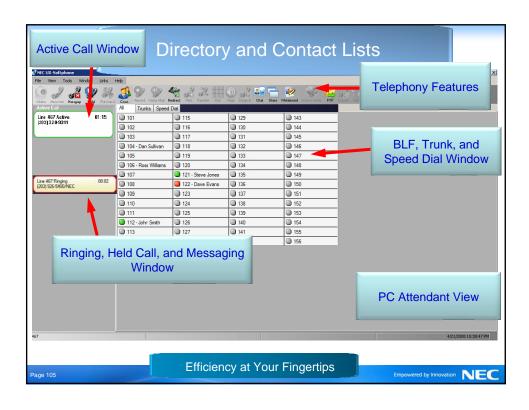




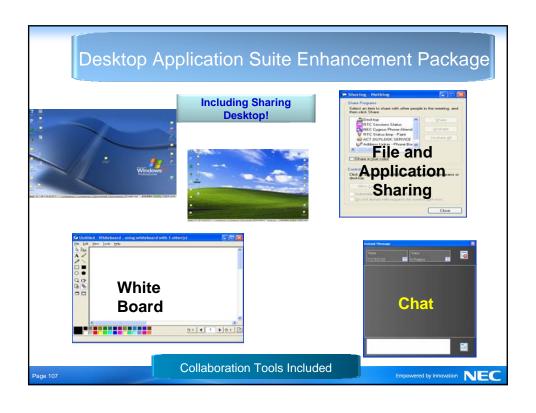


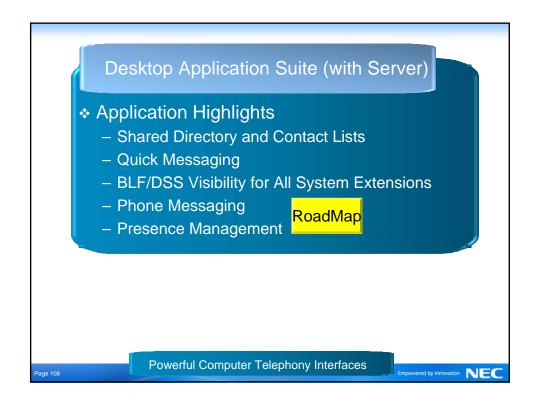








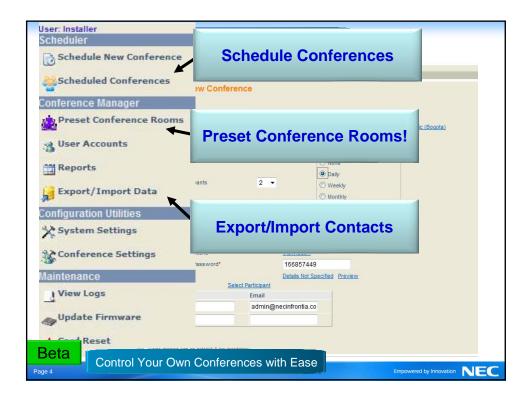


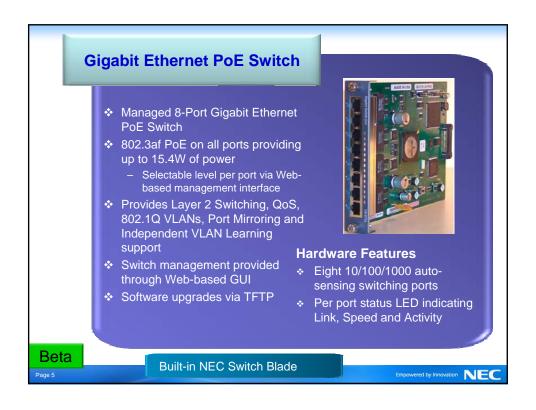


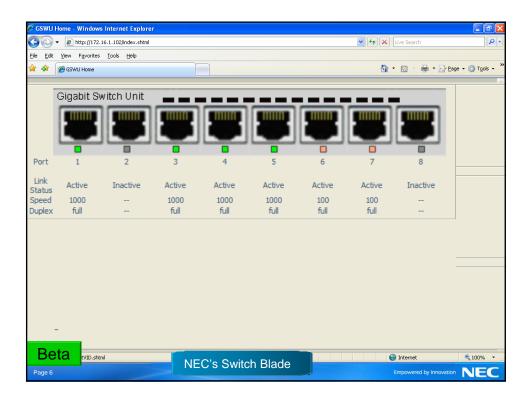


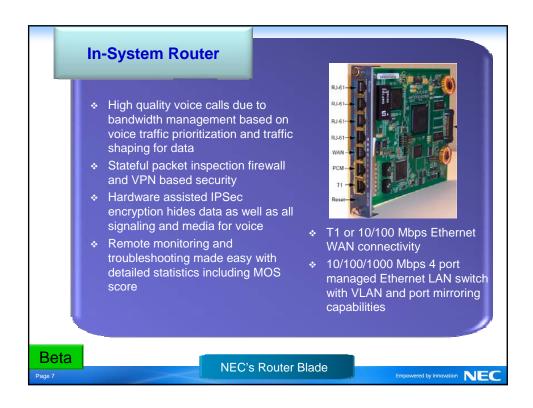


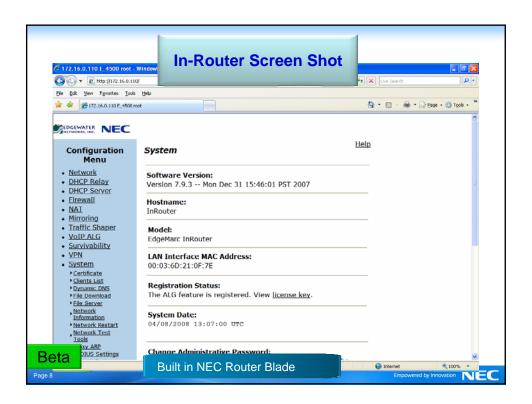


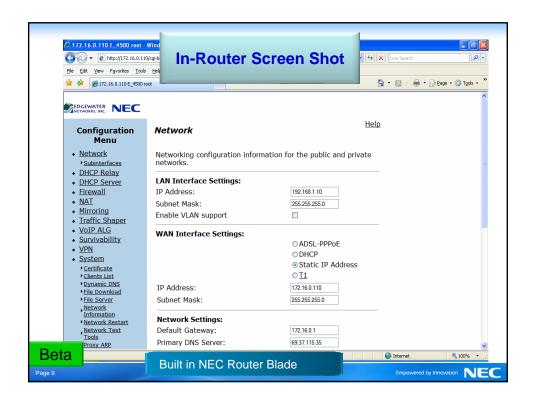


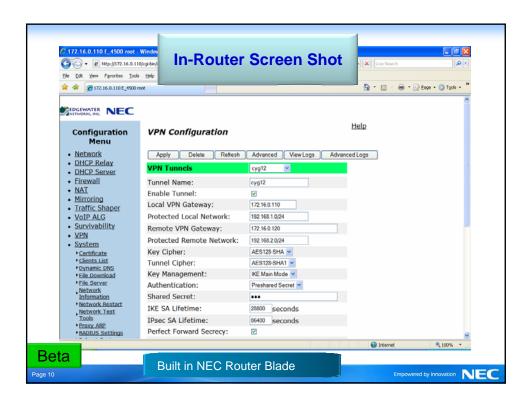




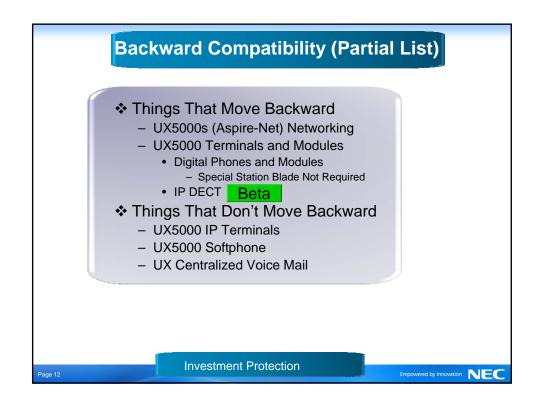


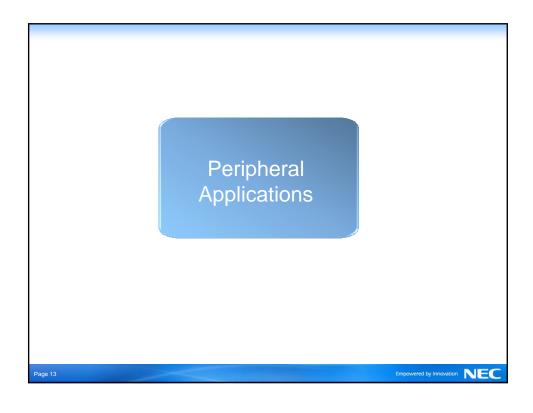


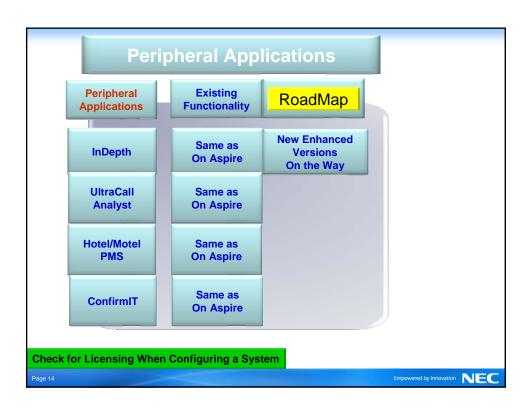




Forward Migration (Partial List) ❖ Things That Move Forward Aspire (Aspire-Net) Networking Aspire Phones and Modules IP Phones Digital Phones Special Station Blade Not Required Things That Don't Move Forward Aspire Softphone Aspire Centralized Voice Mail







Aspire	UX5000 Communications Server		
Aspire Feature Set	Aspire-Like Feature Set		
Aspire KSU and Cards	2U 19' Rack Mounted Chassis and Blades		
Media Gateway Cards	IP Resource Bus Concept		
34/4 Button IP Phones	Complete Family of SIP Multiline Terminals		
Aspire S	9.5" Mini Chassis Scalable to 712 IP Ports		
Aspire Networking	Full Featured Transparent Networking		
Program Systems Independently	Single Image - Auto Database Replication		
PAL Chip	Feature Licensing		
Half Duplex Speakerphones	Most Terminals are Full Duplex		
SIP (3 rd Party) WiFi Phones	NEC SIP Multiline WiFi Terminals		
900 MHz Multiline Cordless	DECT Multiline Cordless (With Repeater)		
PC Console/Assist Server-Based	Integrated Desktop Application Suite		
Super Display Phone	XML Color Touch Screen Terminal		
TDM DECT Base Stations	IP DECT Base Stations		
IP Phone (Max Buttons 34)	IP Terminals Support DLS/DSS Console		
Switched Hub	GBit/PoE Switch Blade		
External (3 rd Party) Router	 Integrated NEC QoS Router Blade 		
External Servers	Integrated NEC Server Blades.		
"Just Some of What I lik	Ke About UX5000" Empowered by Innovation NEC		





Concept

- Use licenses for:
 - System size
 - Feature activation
 - No Dongles or Special Hardware
 - Adding additional items
 - Terminals, Trunks, etc.
- ❖ Licenses reside on CPU
 - Unlocked by an activation code
- 60 Day Free Trial Period
 - Certain licenses are available for 60 days
 - Can be renewed one time



Concept (cont.)

- Method of Licensing
 - The method uses a web based Licensing registration server.
 - Each sold license (including application licenses) is registered against a unique hardware ID of system CPU.
- Software & Licenses available 24/7 for download



What is Licensed?

- System Ports
 - 65 256 Port expansion
 - 257 712 Port expansion
 - CygniLink # nodes (1, 2, 5, 10)
 - · Note: Primary/Base system is included
 - AspireNet
 - Per UX5000 installed in an Aspire network
- IP
 - NEC IP Terminal (4 included with CCPU)
 - Additional NEC IP Terminal (1, 4, 8, 16, 32)
 - SIP Terminals (1, 4, 8, 16, 32)
 - Supports both 3rd Party SIP and NEC IP terminals
 - SIP Trunks (1, 4, 8, 16, 32)



What is Licensed? (cont.)

- Features
 - ACD
 - inDepth
 - inView
 - 1st Party TAPI
 - 3rd Party TAPI
 - Hospitality (Hospitality and PMS combined)
 - On/Off
 - Ultra CallAnalyst

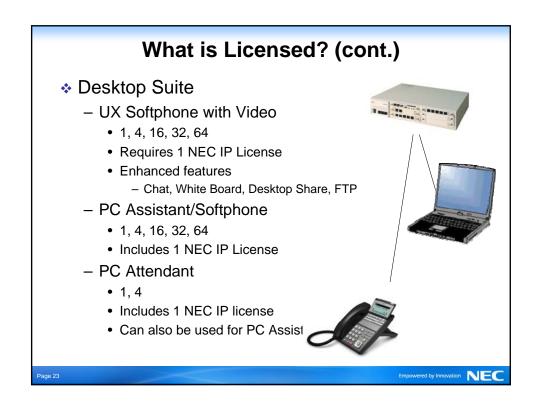
Lite, Full, Clients, Stations

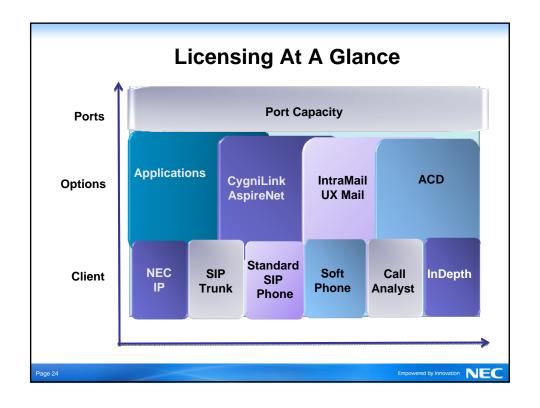


What is Licensed? (cont.)

- Voice Mail
 - UX-IntraMail Ports (4 included with purchase)
 - Supports both VRS and IntraMail functions
 - · Email notification
 - 2 or 4 port licenses
 - · Additional languages
 - UX-Mail Ports (4 included with purchase)
 - 2 or 4 port licenses
 - UMS Clients
 - 10 Clients Provided with Media
 - 1 or 10 client license
 - · Additional languages
 - Fax Ports
 - 2 Port License
- Multimedia Conference Bridge (8 ports included)
 - · Additional 8 ports







Implementation

- Multiple ways to enter licenses
 - WebPro From the Web or License File
 - PCPro Manually or License File
 - PC Pro embedded FTP server used for downloading to UX5000
 - TelPro Manually
 - USB License File

Page 2

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Process

- Requirements
 - Active NEC Information Portal Account
 - Contact person
 - Contact email From Portal Account
 - Purchase Order
 - Via fax
 - · Via Call to Customer Service
 - Via Online (OEWEB) order
- ❖ Why?
 - License server delivers licenses to registered dealers based on their registered email

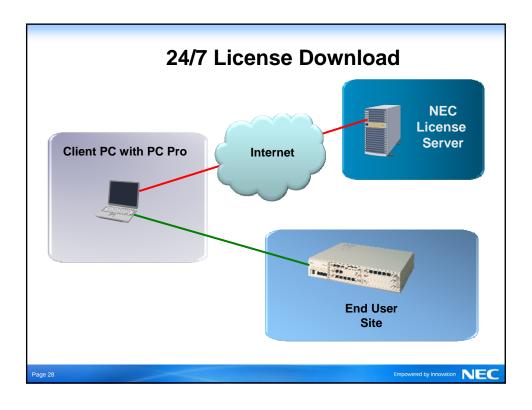


Page 2

License Process

- Place Order to Customer Service
 - Fax, Email, Phone or OEWEB
- License Server sends email notification
 - Key Codes for licenses purchased
- Access License Server
 - Assign licenses to End User
 - Generate license file
- ❖ Download License File

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9.5" IP Package - 0910017

- Consists of:
 - (1) 0910000, 9.5" 3 Blade Chassis
 - (1) 0911001, CCPU Blade w/64 system port license
 - (1) 4 Port NEC IP Terminal License (0910471) Included
 - (1) 0911030, 32 Resource VoIP Daughter Board



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9.5" Basic Package - 0910016

- Consists of:
 - (1) 0910000, 9.5" 3 Blade Chassis
 - (1) 0911001, CCPU Blade w/64 system port license
 - (1) 0911058, 8-Port Digital/2-Port Analog Blade



Page 3

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19" IP Package - 0910019

- Consists of:
 - (1) 0910004, 19" 6 Blade Chassis
 - (1) 0911001, CCPU Blade w/64 system port license
 - (1) 4 Port NEC IP Terminal License (0910471) Included
 - (1) 0911032, 64 Resource VoIP Daughter Board





19" Basic Package - 0910018

- Consists of:
 - (1) 0910004, 19" 6 Blade Chassis
 - (1) 0911001, CCPU Blade w/64 system port license
 - (1) 0911036, 8 Port Digital Station Blade



Configuration Tips

- 64 Ports Standard
- MEMDB required for:
 - CygniLink/AspireNet
 - More than 64 ports
 - More than one 8 Port Digital/2Port Analog Blade in a single chassis
 - More than eight UX-IntraMail ports
- UX-IntraMail and UX-Mail requires 16 station ports
 - UX-IntraMail not counted in 0-256 port size
- 4 NEC IP Terminal Licenses provided with CCPU
- 60 Day Free Trial Period for Certain Licenses

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Configuration Tips (cont.)

- VoIP Resources Required For IP Connectivity To:
 - Analog Stations/Trunks
 - Digital Stations/Trunks
 - UX IntraMail or UX Mail
 - CygniLink/AspireNet
 - NEC IP to SIP Calls

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Configuration Tips (cont.)

- UX Softphone Requires a NEC IP License
- ❖ PC Assistant & Softphone includes 1 NEC IP License
- PC Attendant & Softphone includes 1 NEC IP License.



Configuration #1 – 4 x 16 TDM

- (1) 0910016, 9.5" Basic Package
- (1) 0911074, 4 COIDB
- (1) 0911036 8ESIU
- (1) UX IntraMail
 - (1) 0911026, VMDB
 - (1) 0910508, 4Px16H CF
- (1) 0910056, DG-32e
- (15) 0910044, DG-12e
- (1) 0910098, 16DLS

Configuration #2 – 24 x 60 IP

- (1) 0910017, 9.5" IP Package
- (1) 0911060, MEMDB
- (1) 0910463, 65-256 Port License
- (2) 0910474, 32 NEC IP Licenses
- (1) 0911052, T1/PRI
- (1) UX-Mail 4 Ports 125 Hours
 - (1) 0911064, APSU
 - (1) 0910531, 4P x 125H CF
- (1) 0910491, 4 UMS Ports
- (5) 0910482, 10 Clients
- (5) 0910062, IP-6v
- (45) 0910064, IP-12e
- (6) 0910076, IP-32e
- (4) 0910080, IP-CTS





Brochure Concept

- Two types of buyers: traditional and technology
- Specific brochure for the traditional buyer
- Specific brochure for the technology buyer
- Common data sheet
- Application specific data sheets
- All with a common look and layout.



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Marketing Material

- Primary Brochure
 - 8 page piece promotes:
 - Digital and IP
 - Video Soft Phone
 - CygniLink
 - R1 and R2 feature set
 - Mobility
 - Terminal detail
 - Full selling brochure for the traditional telephone system buyer.

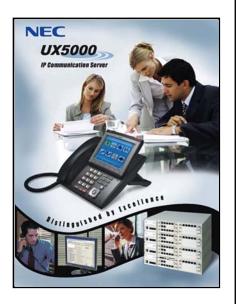


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Marketing Material

- ❖ Pure IP Brochure
 - 4 page piece promotes:
 - Technology
 - Manageability
 - Connectivity
 - Reliability
 - Less terminal detail
 - Abbreviated brochure for the technology buyer.



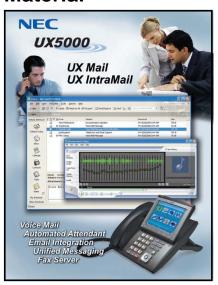
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Marketing Material

- Data Sheet
 - 2 page feature detail
- Voice Mail
 - 4 page messaging applications
 - IntraMail and UX Mail
 - Email notification
 - Exchange server integration
 - Fax mail/Fax server
- Desk Top Applications
 - 4 page software applications
- Mobility Solutions
 - 4 page
 - Cordless, IP DECT, BT, SIP and WiFi.



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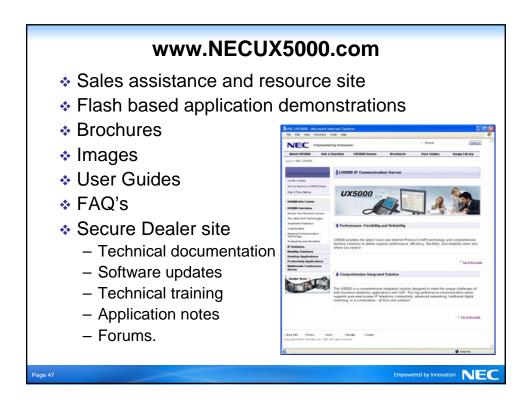
Marketing Material

- * ACD
 - 4 page includes InDepth
- Multi Media Conference Server
 - 2 page data sheet
 - Audio and video with hosted service
- Hospitality
 - With property management integration
- InRouter
 - 2 page data sheet.











-	Supported	
Function	R1	Future
Multi Media Conference Server	Beta	-
Multi Media Conference Server Video support		1
Bluetooth Handset for Digital Terminals	Beta	-
Bluetooth Handset for IP Terminals	-	✓
Bluetooth HUB Adaptor Headset Mode Digital Terminals	Beta	-
Bluetooth HUB Adaptor Other Devices and IP Terminals	-	✓
CygniLink w/Failover	Beta	-
CygniLink w/Failover and Recovery	-	✓
CPU Redundancy	-	✓
Presence w/ PC Assistant	-	✓
IP DECT Handset	Beta	
Cordless DECT Handset	Beta	
WiFi Handset	_	✓
Gigabit Terminal Adapter	-	✓
UX Mail	Beta	-
IntraMail email notification	Beta	-