

Empowered by Innovation

NEC

Aspila EX

*for a
converged
world...*



Delivers productivity and versatility to your business

Aspila EX

... the right technology,
the right time, the right choice

For most companies the phone system is an essential business tool, where reliability is paramount.

Internet Protocol (IP) telephony can give businesses a level of flexibility unknown with a traditional phone system where the data network also carries your voice traffic. Components familiar to desktop PC users are now appearing in IP phone system.

ASPILA EX, the new IP telephony from NEC is an IP communication system that offers the latest technological benefits without compromising on the reliability of traditional telephony. **ASPILA EX** allows you to converge your voice and data network and enjoy the many advantages of Voice over Internet Protocol (VoIP) while enjoying the hundreds of features you have come to expect from traditional/analog switching. **ASPILA EX** lets your organization benefit from the potential cost-saving advantages of IP even if you are not ready to migrate to 100% telephony immediately. That's because **ASPILA EX** give you a choice: You can deploy traditional circuit-switched technology, VoIP or combination, from one system! You have the freedom to adopt VoIP when and where you are ready.

ASPILA EX the right technology, the right choice

It's about choice and **ASPILA EX** offers what is best for you and your business requirements. If a complete IP solution is required, then **ASPILA EX** will provide full-blown peer to peer IP telephony. And unlike the inflexibility of early IP packages, it can also be installed as a traditional phone system. To access the benefits of IP telephony you just need to buy a phone adaptor and an IP license.

ASPILA EX is your choice

• Voice Over Internet Protocol (VoIP)

VoIP is a term used in IP telephony for sending voice information in digital form by using the Internet Protocol (IP) instead of the traditional circuit-

committed protocols of the public switched telephone network (PSTN). One of the key benefits of VoIP and internet telephony is that it avoids the tolls charged by ordinary telephone service.

• Flexibility

ASPILA EX offers you the flexibility and freedom to implement at a pace that suits your company. You can mix and match **ASPILA EX** IP phones with normal, analogues phones. Alternatively, you can install **ASPILA EX** with IP phones plugging into your IP network and use wireless LAN.

• Ease your migration to IP telephony

When your business needs arise and you want to enjoy more IP features, all you need to do is just buy an IP adaptor, add it onto your traditional phone and your traditional phone instantly becomes an IP phone.

• Cost Effective

ASPILA EX VoIP capability allows you to place voice calls over the data network. VoIP reduces long distance charges by using IP to connect multiple office locations and even countries. You will save in maintaining your system as you only maintain one network of voice and data with **ASPILA EX** compare to two separate networks of voice and data in traditional phone system.

• Total Investment Protected

As **ASPILA EX** lets you enjoy both traditional phone system and IP you will need to change your traditional phone system when you migrate to IP phone system. Your investment today is protected tomorrow.

• One Box Solution

ASPILA EX offers you a revolutionary one box solution for your business which includes voice, data, CTI applications and other functions to increase productivity.



DSL T

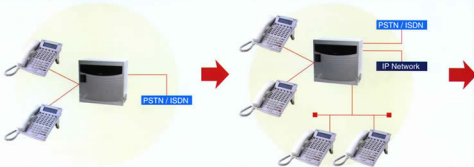
12TH

24TSXH

SEAMLESS IP MIGRATION

Seamlessly upgrades the Corporate Network

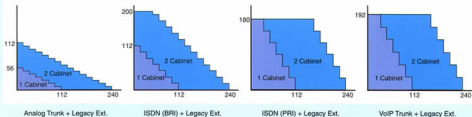
Combination of Digital KTS, and IP telephone are possible to exist in a single system. IP migration completely matching with users will.



- 1 Traditional TDM**
• Legacy system in first phase

- 2 Combined Terminals**
• Making part of extension IP at staff increase, or layout changes. Still keeping terminal operation as same.

SYSTEM STRUCTURE



Analog Trunk + Legacy Ext.

ISDN (BRI) + Legacy Ext.

ISDN (PRI) + Legacy Ext.

VoIP Trunk + Legacy Ext.

SNAP-IN OPTIONS

The Aspia EX Key Telephones can support up to 2 snap-in options simultaneously, except for the IP Adaptor which

- Conversation recording adaptor
- analog port adaptor (with or without ringer)
- RS-232C serial interface for SMDR / TAPI
- USB interface adaptor for SMDR / TAPI



12TXH with
24DL DLS

24TXH with 110D DSS Console

Aspia EX phones also
available in Black
(24TXH with 110B DSS Console)

IP Adaptor



3 Full IP Intergration

- Making the system IP including all trunks, and extensions, at a drastic change in corporate network corresponding broad-bandization.



Legacy phone

IP Adaptor



IP phone

IP Adaptor

- Legacy phone transforms to IP Phone by adding IP adaptor.

Maximum Capacity

	1 Cabinet		2 Cabinet	
	Legacy	IP / Wireless	Legacy	IP / Wireless
Trunks	200	200	200	200
Extensions	128	512	256	512
Virtual Ext.	256	256	256	256

Building Block Architecture

- compact Design
418mm x 397mm x 265mm (WxHxD)
- Installation Flexibility
19-inch Rack / Wall / Floor Mountable



MUST be installed alone. They are five types of adaptor options.

- VoIP connection adaptor



	DSLTL	12TH	12TXH	24TXH	24TSXH
Programmable Keys	2	12	12	24	24
One-Touch Keys	0	10	10	10	10
Soft Keys	0	0	4	4	4
Display	No	No	Yes	Yes	Yes
Handsfree	Yes	Yes	Yes	Yes	Yes
Dual Colour LED	Yes	Yes	Yes	Yes	Yes
Accept DLS Console	No	Yes	Yes	Yes	Yes
Accept IP Adaptor	No	No	Yes	Yes	No
Accept Snap-in Options	No	Yes	Yes	Yes	Yes
Headset Connection	No	Yes	Yes	Yes	Yes

*Sophisticated elegant design with
intelligent features to help raise
productivity in any work enviroment*



**Wall
Mountable**
(Built-in Wall
Mount Kit)

**Support
Snap-in
Options**

System Features

Abbreviated Dialing	DND (Do Not Disturb)	Music On Hold (MOH)	Unsupervised Conference
Account Code	DND / Call Forward Override	Name Storing (Trunk & Extension)	Virtual Extension
Alarm Clock	Doorphone	Night Service	Voice Over
Alarm Display	DBS / DLS Console	One-Touch Dialing	Volume Control
Alphanumeric Display	Dual Line Appearance	One-Touch Serial Operation	Walking Toll Restriction
ACD (Automatic Call Distribution)	DUD (Direct Universal Dialing)	Operator (Attendant Extension)	Warning Beep Tone
Automatic Repeat Dialing	External Alarm Sensor	Paging	Voice Guidance (VAU)
BGM (Background Music)	Flash	PBX Compatibility	Voice Mail
Boss-Secretary Call	Flexible Route Selection (F-Route)	PC based Voice Mail Connection	Analogue CLIP (Caller-ID)
Break In	Flexible System Numbering	Personal Code	ISDN CLIP
Call Forward	Group Listening	Previous Dial	ISDN MSN / DDI
Call Pickup	Handfree	Privacy	ISDN AOC (Advice of Charge)
Call Redirect	Headset Operation	Programmable Function Key	So Device Terminal Connection
Call Timer	Hold	Power Monitor	EMM Analogue Tie Trunk
Camp On / Call Back	HotLINE	Saved Number Dialing	Hotel / Motel
Class of Service	Intercom	Series call	RMS Integration
Conference	Intercom Off-Hook Signaling	Soft Key	System Interconnection/Networking
Continued Dialing	Key Touch Tone	SMDR	CTI (TAPI 1.4)
Department Group Calling	Last Number Dialing	Tandem Ring	CTI (TAPI 2.1)
Dial Block	Line Preference	Text Message	DECT Integration
DIL (Direct Inward Line)	Long Conversation Cutoff	Time and Date	IP Functions
Directory Dialing	Long Conversation Warning	Toll Restriction	In-Server Solution
Disconnect Supervision	Meet Me Paging	Tone Detection	Remote Maintenance
Distinctive Ringing	Message Waiting	Transfer	
DISA (Direct Inward System Access)	Multi-Carrier Indirect Access (LCRI)	Trunk Call	

MECHANICAL SPECIFICATIONS (Dimensions and Weight)

Type of Equipment	Width x Height x Depth (mm)	Weight (Kg)
KSU	419 x 394 x 270	25
Key Telephone	200 x 100 x 240	1.0
DSL T	170 x 100 x 222	0.95
DSS Console	200 x 80 x 240	0.8
DLS Console	50 x 80 x 240	0.34

ELECTRICAL SPECIFICATIONS

Input Voltage @ Frequency

180V AC - 264V AC @ 50 - 60Hz

Power Consumption

740W (2 Cabinets)



Guaranteed NEC INFRONTIA Quality

When you buy ASPIRA EX products, you also buy part of the NEC INFRONTIA legacy that began in 1918. As a world-wide manufacturer of telecommunications and electronic systems, we produce all of our products with performance and reliability in mind.

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