

Empowered by Innovation

**NEC**

# *Aspíla 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, analogue 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

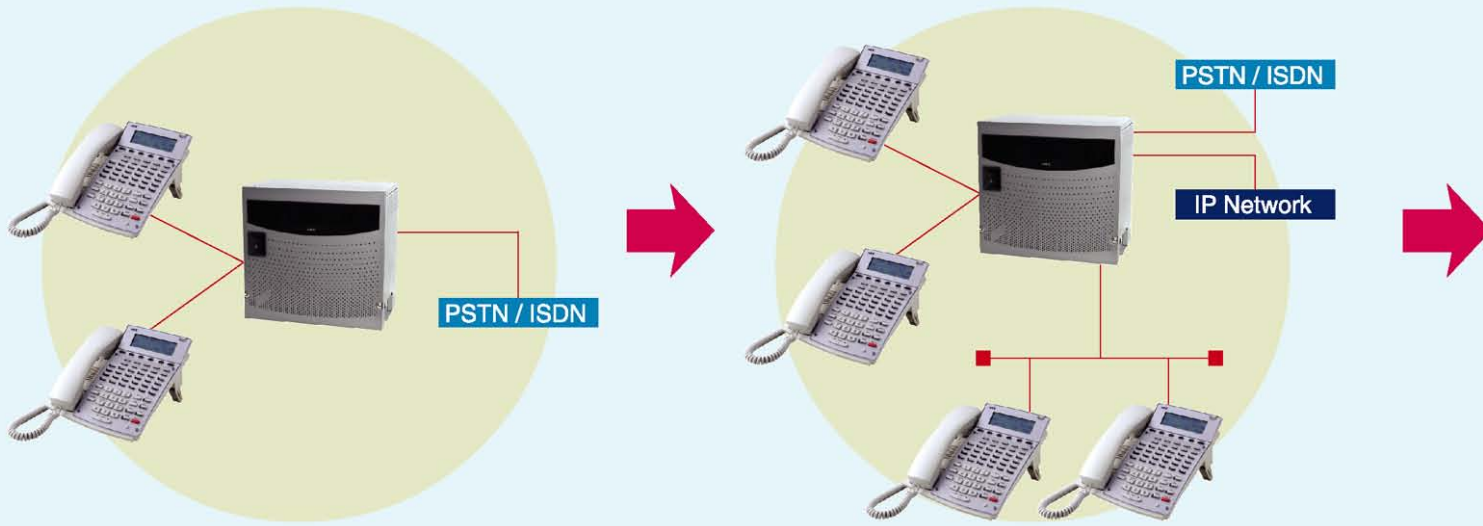
12TH

24TSXH

# SEAMLESS IP MIGRATION

## Seamlessly upgrades the Corporate Network

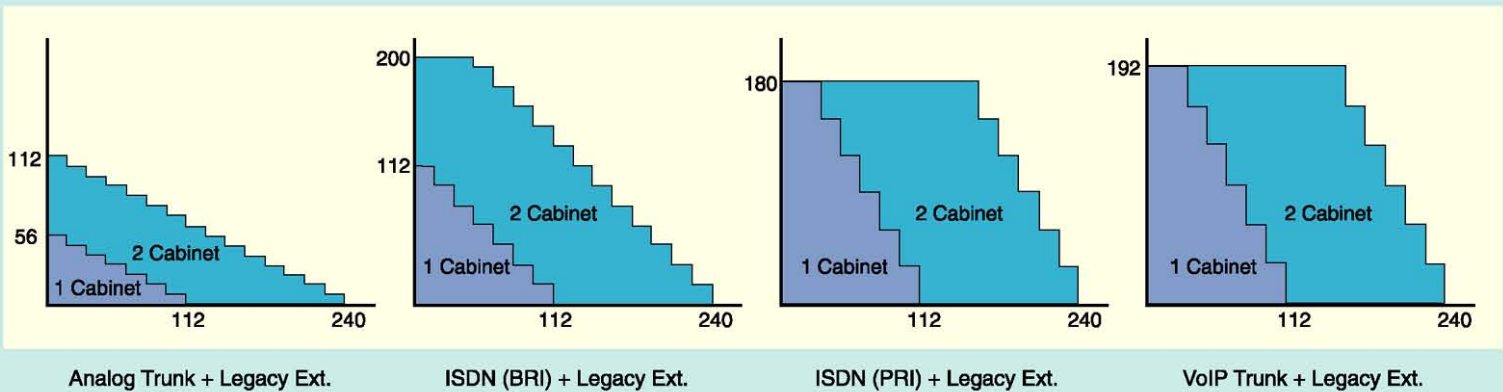
Combination of Digital KTS, and IP telephone are possible to exist in a single system. IP migration completely matching with users will.



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

**2 Combined Terminals**  
 • Adding IP Adaptors\* to few legacy phones and having a mixture of IP and legacy phones in preparations of full IP migration in future.

## SYSTEM STRUCTURE



## SNAP-IN OPTIONS

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

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



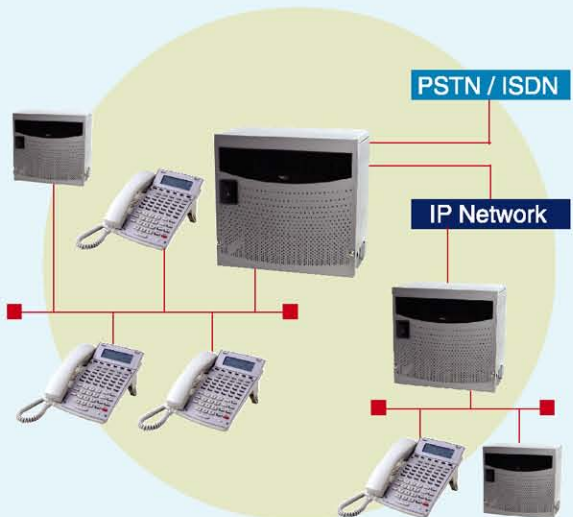
12TXH with  
24DL DLS (WH)



24TXH with 110D DSS Console (WH)



Aspila EX phones also  
available in Black  
(24TXH with 110D DSS Console)(BK)



### 3 Full IP Integration

- Migrating to full IP system by converting all legacy phones to IP phones including trunks when data and voice convergence becomes a trend in the market place.

## \* IP Adaptor



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



which **MUST** be installed alone. There are five types of adaptor options.

- VoIP connection adaptor



	DSL	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 Adapter	No	No	Yes	Yes	No
Accept Snap-in Options	No	Yes	Yes	Yes	Yes
Headset Connection	No	Yes	Yes	Yes	Yes
Wall Mount Kit	Yes (Built-In)	Yes (Built-In)	Yes (Built-In)	Yes (Built-In)	Yes (Built-In)

# *Sophisticated elegant design with intelligent features to help improve productivity in any work environment*



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

**Support Snap-in Options**

# System Features

Abbreviated Dialing	Dial Tone Detection	Microphone Cutoff	Dial Block
Account Codes	Direct Dial In (DDI) / MDN	Multiple Directory Numbers / Call Coverage	Override
Alarm	Direct Inward Line (DIL)	Music On Hold	Walking Toll Restriction
Alphanumeric Display	Direct Inward System Access (DISA)	Name Storing	Trunk Group Routing
ACD (Automatic Call Distribution)	Direct Station Selection (DSS) Console	Night Service	Trunk Groups
Attendant Call Queuing	Direct Call Pickup	Off Hook Signaling	Trunk Queuing / Camp On
Automatic Route Selection (F-Route)	Do Not Disturb	One-Touch Calling	Trunk to Trunk Forwarding
Background Music	Door Box	* Paging, External	Virtual Extension
* Barge in	Fax Machine Compatibility	Paging, Internal	* Voice Mail
Call Forwarding	Flash	Park	* Voice Response System (VRS)
-Fixed	Flexible System Numbering	PBX Compatibility	Volume Controls
-Off-premise	Forced Trunk Disconnect	Prime Line Selection	Warning Tone For Long Conversation
-Abbreviated Dial	Group Call Pickup	Private Line	So Device Terminal Connections
-Follow Me	Handsfree Monitor	Programmable Function Keys	System Interconnection / Networking
Call Forwarding / Do Not Disturb Override	Handsfree Answerback / Forced Intercom Ringing	Pulse to Tone Conversation	CTI (TAPI 1.4)
Call Redirect	* Headset Operation	Repeat Redial	CTI (TAPI 2.1)
Call Timer	Hold	Ring Groups	IP Functions
Call Waiting / Camp On	Hotline	Ringdown Extension, Internal / External	Remote Maintenance
Callback	Hotel / Motel	Room Monitor	
Caller-ID	Intercom	Save Number Dialed	
Central Office Calls, Answering	Last Number Redial	Secretary Call (Buzzer)	
Central Office Call, Placing	Least Cost Routing (LCR)	Secretary Call Pickup	
Class of Service	Line Reference	Selectable Display Messaging	
Conference (Max 32 conference calls x 2 groups)	Long Conversation Cutoff	Serial Call	
Conference, Voice Call, Privacy Release	Loop Keys	Soft Keys	
Continued Dialing	Meet Me	* Station Message Detail Recording	
Department Calling	-Conference	Tandem Trunking (unsupervised Conference)	
Department Step Calling	-Paging	Tie Line (E&M Analogue Trunk)	
Dial Number Preview	-Paging Transfer	Time and Date	
Dial Pad Confirmation Tone	Memo Dial	Toll Restriction	
	Message Waiting		

\* Optional Features

## 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
DSLТ	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)



ISO 9001  
JQA-0292

ISO 9002  
JQA-0312  
JQA-0373  
JQA-0310



ISO 14001  
JQA-EM0348  
JQA-EM0679  
JQA-EM0287



### Guaranteed NEC INFRONTIA Quality

When you buy ASPILA 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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Distributor / Dealer :

Sales & Marketing Regional Head Office

**NEC Infrontia Asia Pacific Sdn Bhd**

Lot 24, Jalan Juruhebah U1/50, Temasya Industrial Park Phase 2, Seksyen U1, Glenmarie, 40150 Shah Alam, Selangor Darul Ehsan.

Tel: 03-5569 5888 Fax: 03-5569 3898

Website: [www.necinfrontia-ap.com](http://www.necinfrontia-ap.com)