

The logo for ASPEED is centered in the upper half of the image. It features a stylized letter 'A' in red with a white horizontal bar through its center. To the right of the 'A' is the word 'SPEED' in a bold, blue, italicized sans-serif font. The background consists of a bright blue sky with scattered white clouds and a thick, wavy blue ribbon-like shape at the top.

ASPEED

October, 2016

Lili Wu

- Established in Nov. 15th , 2004
- Paid-In Capital: NTD 317M (USD 10.4M)
- Number of Employees: 52
- Location:
 - Headquarter: No.15, Industry East 4th Rd., Hsinchu Science Park
 - ASPEED Technology (U.S.A) Inc.: 2290 N. First Street, Suite 300, San Jose, CA 95131, USA



Fabless-Lite Company

ASPEED



**Server Management
SoC Solutions**



**PC/AV Extension
SoC Solutions**



**Desktop Virtualization
SoC Solutions**

Remarkable Highlights



Server SoC Provider



WW No. 1

2006-2014
CAGR



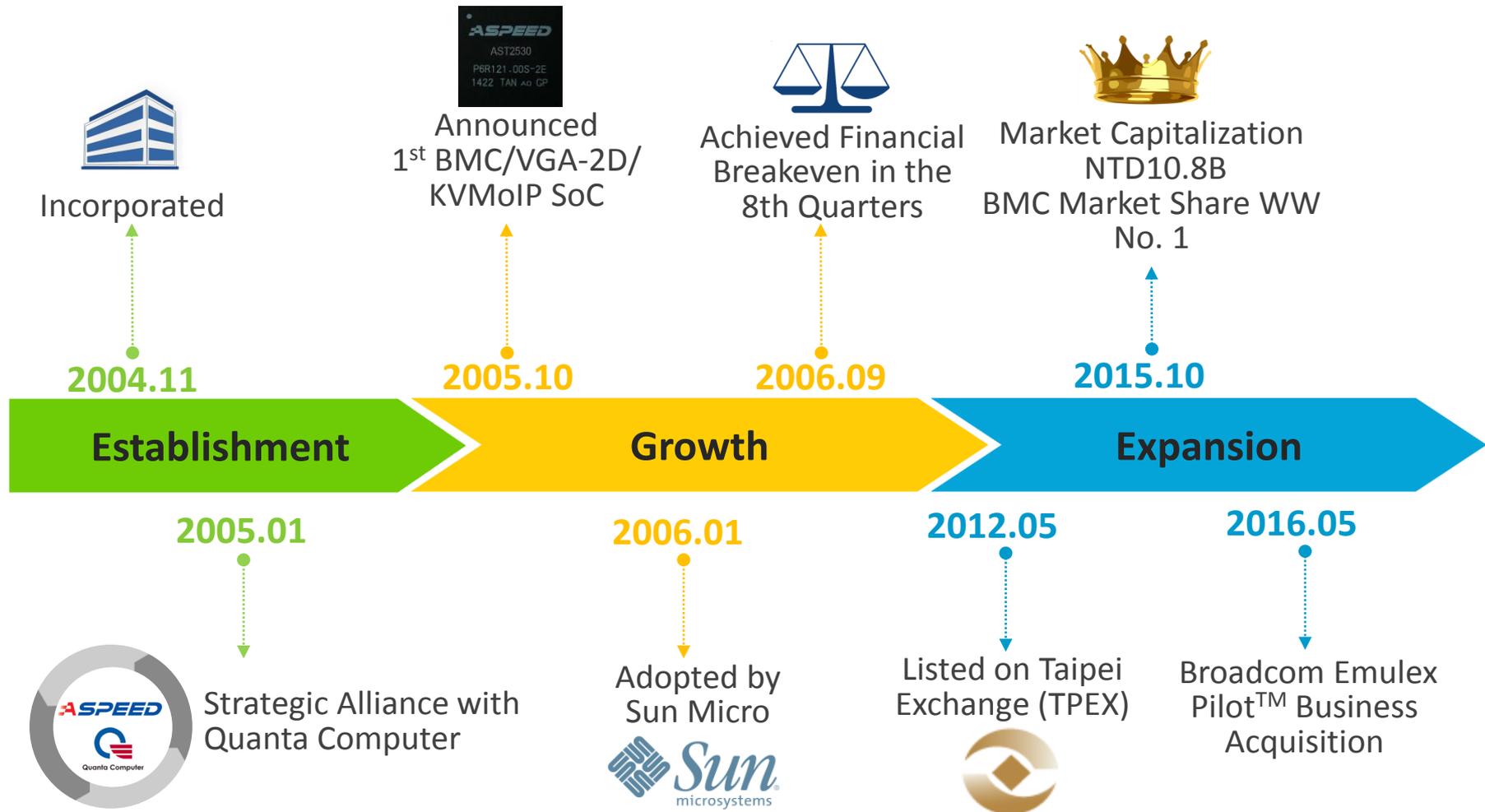
43%

8th Quarter

Financial Breakeven



Major Milestones



Product Lineup



AST1010
AST2200 / AST2150
AST2300 / AST1300 / AST1050
AST2400 / AST1400 / AST1250
AST2500 / AST2510 / AST2520 / AST2530

40nm LP Process
800MHz CPU
DDR4 SDRAM
PCIe Gen-II
ES: Jun 2014
PS: July 2015

Server
Management

AST3100
AST3200

40nm LP Process
Microsoft RemoteFX 8.0
Citrix HDX Ready
1GHz CPU
DDR4 SDRAM
PCIe Gen-II
ES: Jun 2014
PS: July 2015

Desktop
Virtualization

AST1500 / AST1510
AST1520 / AST1525

40nm LP Process
4Kx2K Support
Multi-Screen TV Wall
1GHz CPU
DDR4 SDRAM
ES: Jun 2014
PS: July 2015

PC/AV
Extension

ASPEED



Remote Server Management

Market Highlights – CPU vendor status

◇ARM based server CPU

- APM, Cavium
- APM is designing his next gen CPU w/ ASPEED
- Broadcom is designing demo board w/ ASPEED
- Qualcomm is designing demo board w/ ASPEED

◇IBM Open Power

- Power8
- Power9
- AST2600

◇Intel Tinsley

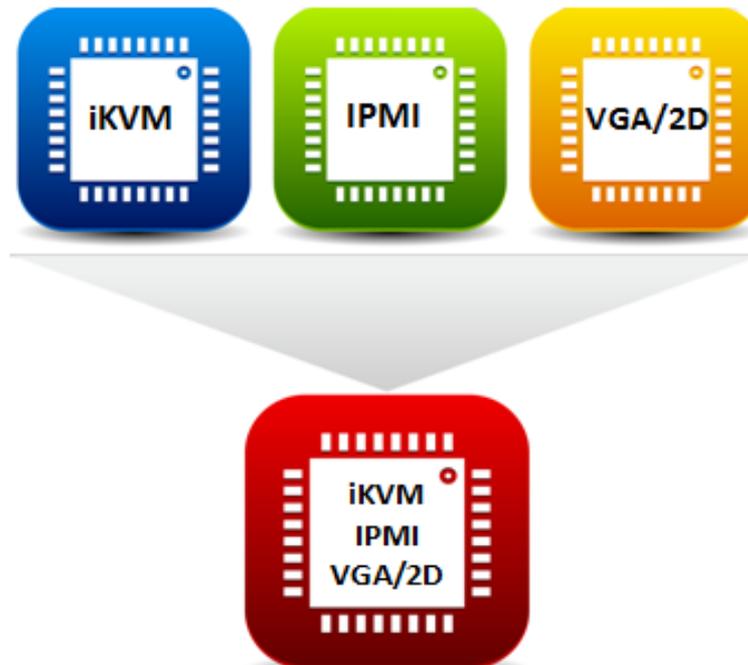
- Will discuss with Pilot team for next gen feature set

Broadcom Emulex Pilot™ Acquisition

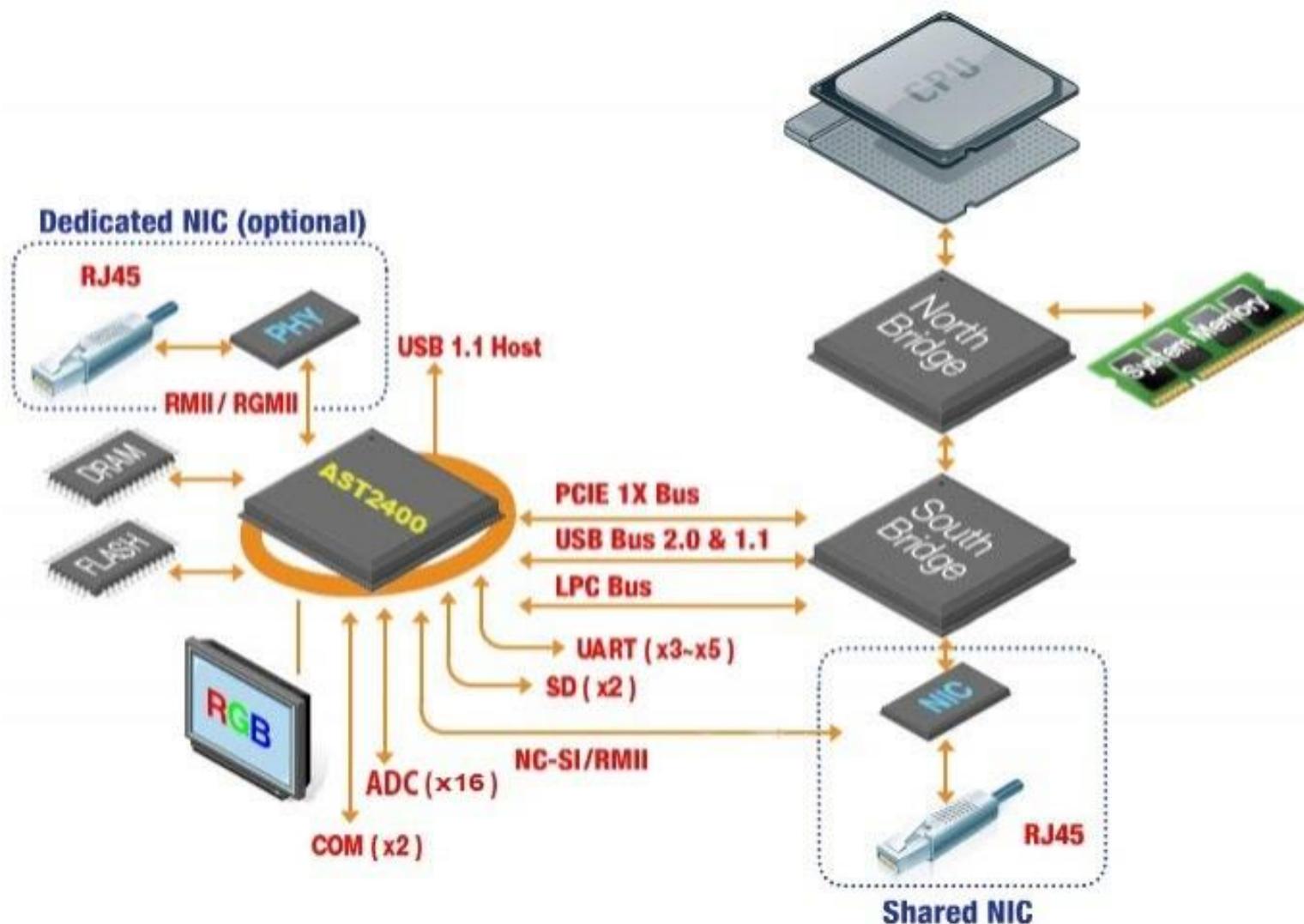
- Broadcom Emulex Pilot™ Business Acquisition
 - Purchase Price: US\$30,000,000; US\$11,386,192 paid in cash, others paid in ASPEED common stocks.
- Expected Closing Date: 2016/Q4 (Estimated)
- Market Potential: Emulex Pilot™ series Remote Server Management chip is widely acclaimed in the market
 - Push ASPEED to Brand Market
 - Expand Economies of scale
- Will Grow Faster after the Acquisition
 - Enable a faster entry to brand server market with Broadcom's existing customer base
 - Global Talents: Experienced Management and R&D team
 - Patent Portfolio
 - Reduce Price competition

Our Core Value

- Highly integration: 2D VGA / BMC / KVMoIP
- Dual Brand Strategy: Integrate ASPEED + Pilot
- Technology ownership
- Dual-IPMI: Maintain special spec , keep OEM/Branding variation



System Architecture



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PC/AV Extension

- UHD / FHD / HD over IP
- Controllable Extension over IP Matrix: Easy to control any size of video source input/output
- Real-time low latency
- Patented visually lossless compression algorithm to extend 4K2K HDTV Display up to 120M and longer over CAT5
- Total Cost Ownership (TCO): 1/3 of conventional system
- Compatible with all signage software & all video format
- Reduce total system power consumption
- Flexible Deployment



Advantages of UHD over IP

- Scalable, flexible, expanding capabilities even after years of installation
- Supports video walls from 2x2 to 16x16 easily
- Resolution: Use one CAT5E cable to extend 4K2K up to 120M and longer
- Enhance visually lossless compression
- Quick to deployment



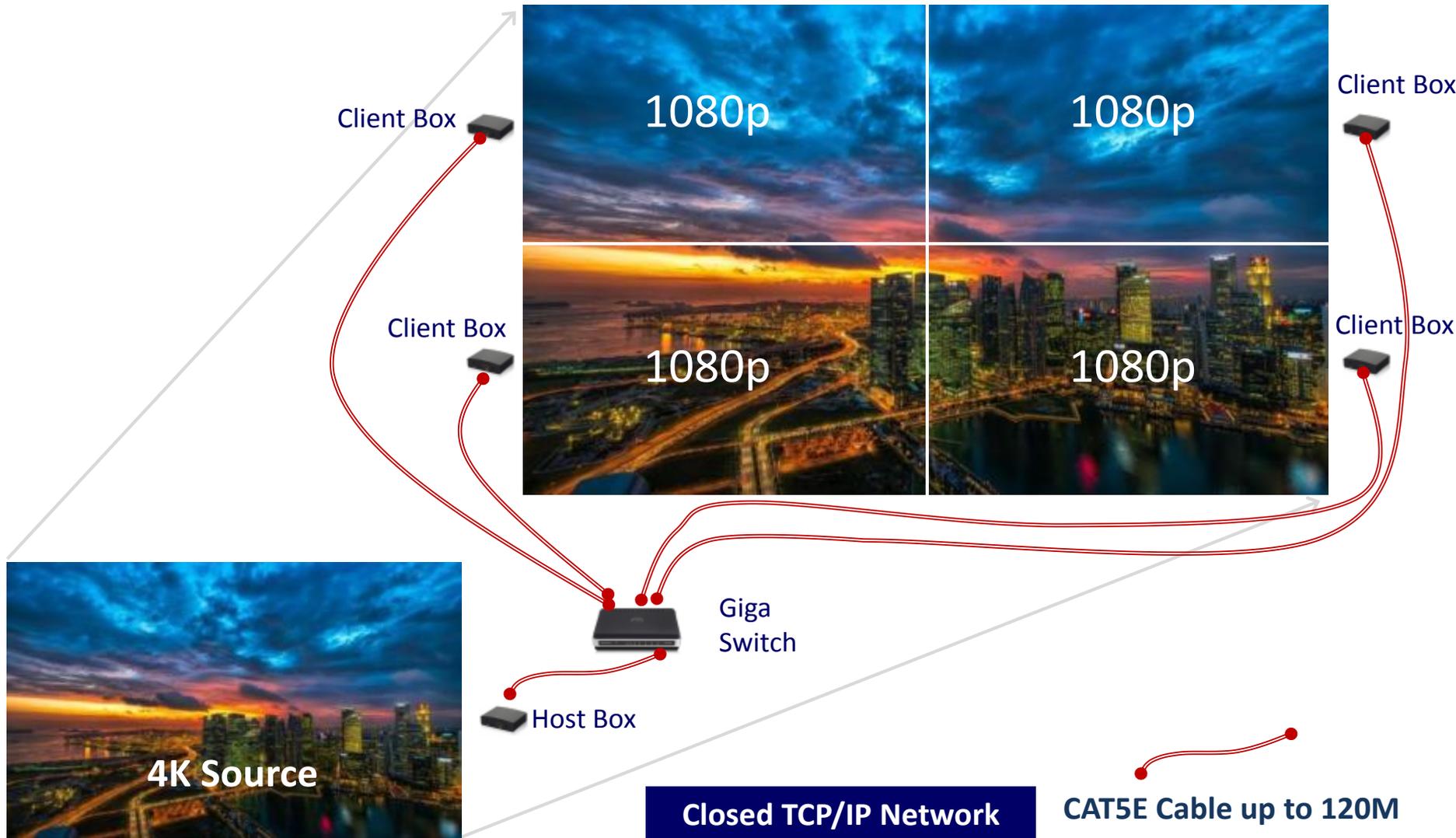
**Visually Lossless
Compression**

A green arrow pointing from the original image to the AST1520 image, indicating the application of visually lossless compression.

Lousy Compression

A green arrow pointing from the original image to the MJPEG image, indicating the application of lousy compression.

4K/2K HDTV Video Wall



ASPEED



Desktop Virtualization

Desktop Virtualization Segment *ASPEED*

- Traditional x86 base Virtualization / Thin Client
 - Dominated by Citrix / VMWare
 - Expensive, annual virtualization fee
 - Hard to replace
- Desktop-as-a-Service (DaaS)
 - Government, public area, school, military
- Desktop Re-direction

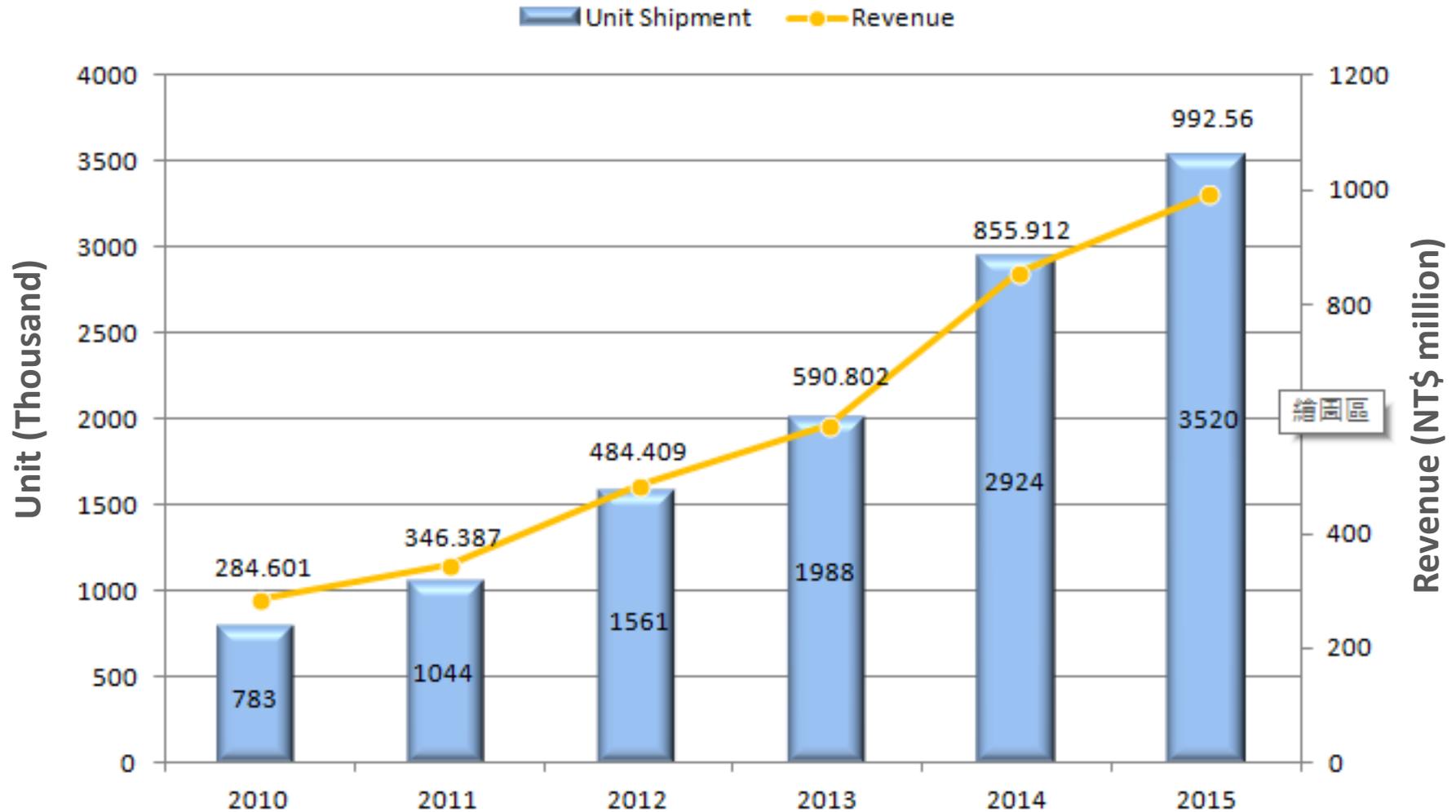


Benefits of Desktop Virtualization **ASPEED**

- Total cost ownership
 - MIS maintenance cost
 - H/W, desktop/laptop vs. small box
- Green environment
 - Lower power consumption, save the earth
 - Power consumption: AST3100/AST3200 is around 2W; entire box is under 15W (with 4 USB devices)
 - Desktop PC is generally over 100W
- Deployment
 - Easy to expand the servers, storages and remote desktop users by virtualization
 - Live-move virtual machine among the servers easily
- Enterprise security concern
 - Office worker
 - Specific task worker
 - Contractor offshore worker
 - Workers need to access his app/data from anywhere



Revenue & Shipment Growth



2016Q3 Sales & Profits



Unit : NTD 1,000	2015Q3	2016Q3	
	Amount	Amount	YoY
Sales Revenue	285,603	382,626	33.97%
Net Operating Profit	109,560	155,130	41.6%
Pre-Tax Profit	133,810	141,046	5.4%
Net Income	117,119	117,065	-0.1%
EPS	3.71	3.69	-0.1%

2016 Sales & Profits

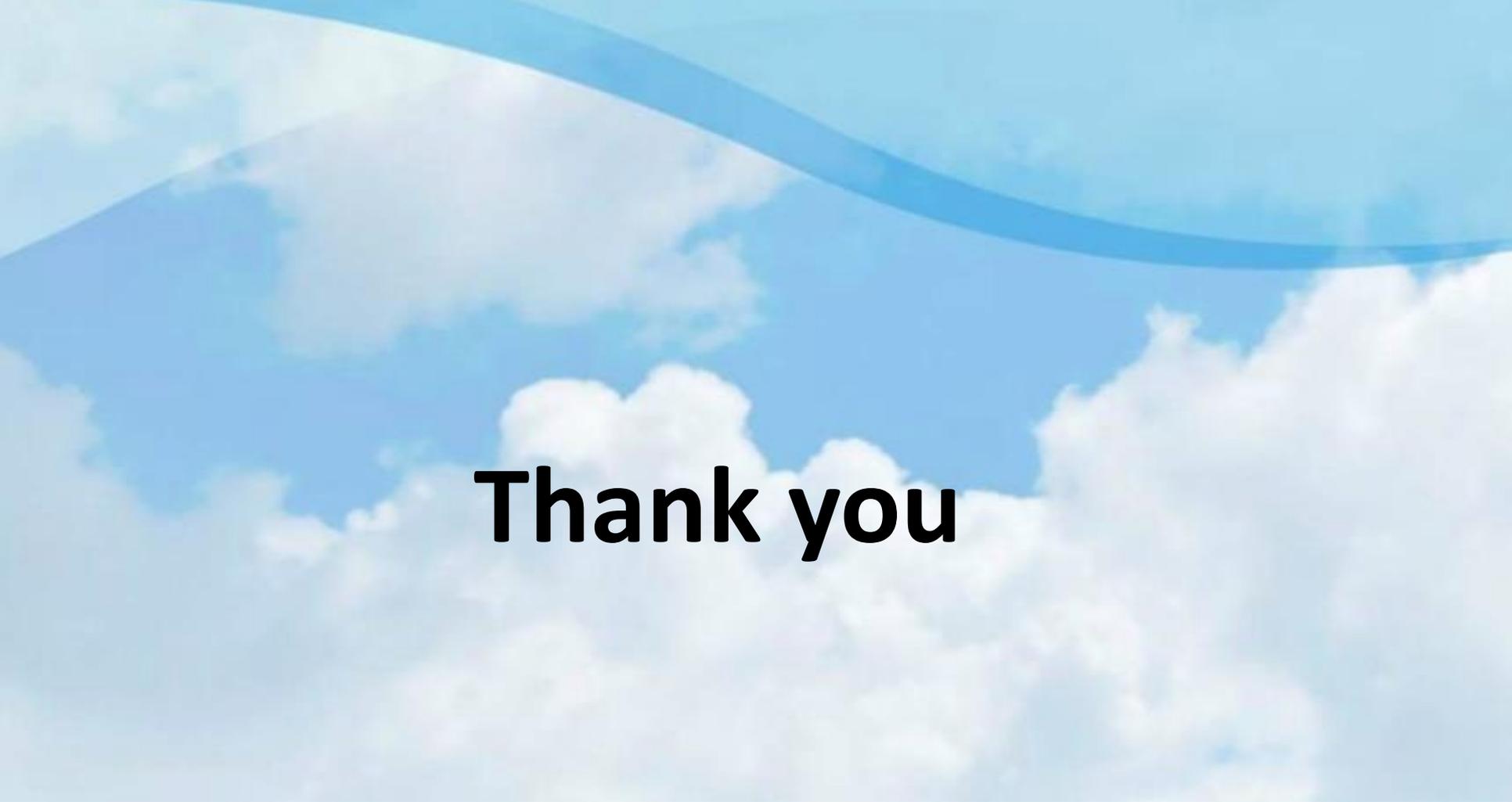


Unit : NTD 1,000	2015	2016	YoY
	Q1~Q3	Q1~Q3	
	Amount	Amount	
Sales Revenue	726,719	969,675	33.4%
Net Operating Profit	275,170	384,395	39.7%
Pre-Tax Profit	275,170	364,812	32.5%
Net Income	259,236	297,583	14.8%
EPS	8.23	9.40	14.21%

Key Indices



Unit : NTD 1,000	2015Q3	2016Q3	
	Amount	Amount	YoY
Cash	836,005	996,580	19.20%
Account Receivable	217,531	285,835	31.39%
Inventory	42,296	61,905	46.35%
Debt	120,000	195,000	62.5%
Shipment Qty (K/pcs)	2,597	3,488	34.30%



Thank you