

Sept., 2019

ASPEED in Brief



- Established in Nov. 15th, 2004
- Paid-In Capital: NTD 340M (USD 10.97M)
- Number of Employees: 91
- Location:
 - ASPEED Technology Inc.: Hsinchu Science Park, Taiwan
 - ASPEED Technology (U.S.A) Inc.: San Jose, USA
 - ASPEED Technology (India) PLT.: Bangalore, India



Product Lineup

130nm LP Process

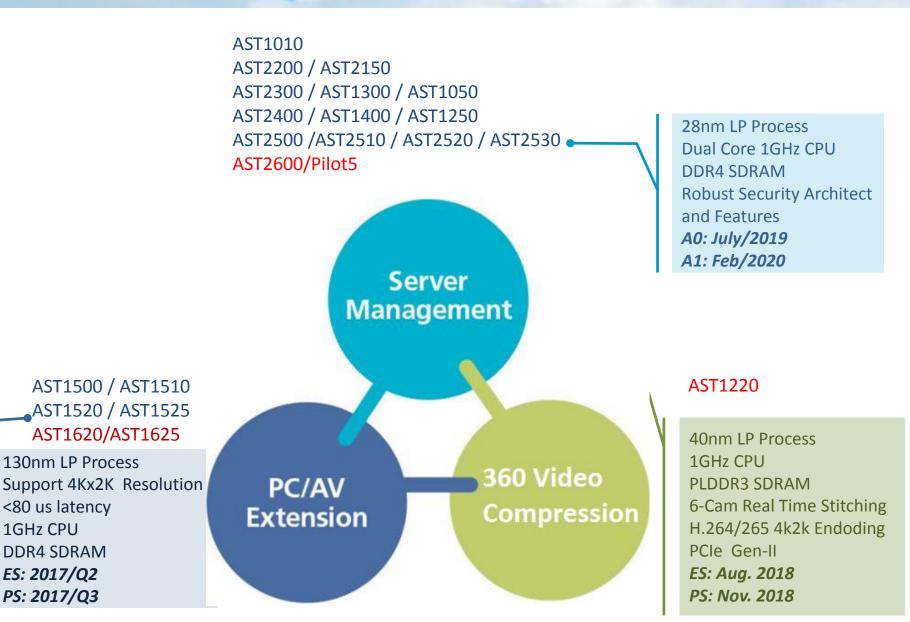
<80 us latency

1GHz CPU **DDR4 SDRAM**

ES: 2017/Q2

PS: 2017/Q3





Product Portfolio









360 Spherical Image Processor SoC



Remote Server Management

Product Intro -Major Functions and Protocols



IPMI (Intelligent Platform Management Interface)

Standardized Computer System Interface led by Intel and supported by Dell, HP and NEC

SNMP (Simple Network Management Protocol)

Internet-Standard Protocol for Management Devices on IP networks

KVMoIP (Keyboard-Video-Mouse Over Internet Protocol)

Hardware device that allows a user to control multiple computer/servers

BMC (Baseboard Management Controller)

Remote Management Controller to implement IPMI, SNMP and KVMoIP



Major Functions

Remote activation and management

Automatic Hardware Detect (Voltage, temp, fan, memory)

Server Condition Monitoring (Program Condition, System resource allocation, etc.)

Provide Equipment Information (Including CPU, memory, HDD)

Remote activate applications

System restore and status management

Receive alerts

Event log

Remote assets inventory

System Health indication

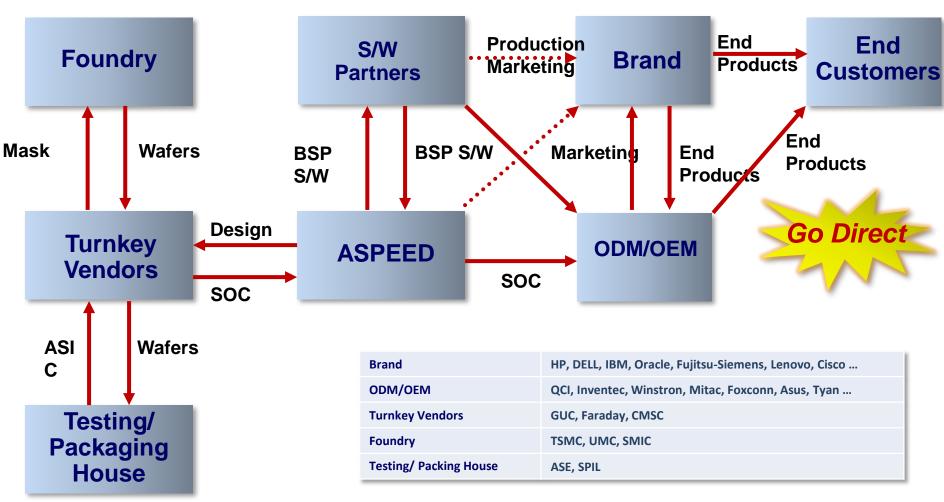
Remote System Configuration

Fault Warning Function

Automatic Alert to Mobile Devices

Product Intro - Business Model & Supply Chain Management





News: New-Gen AST2600



7th GEN ASPEED AST2600

Baseboard Management Controller (BMC) chip
Samples AVAILABLE NOW! MP in 2020



Optimize Performance

High Computing Power

Low Power Consumption

Enhanced System Security

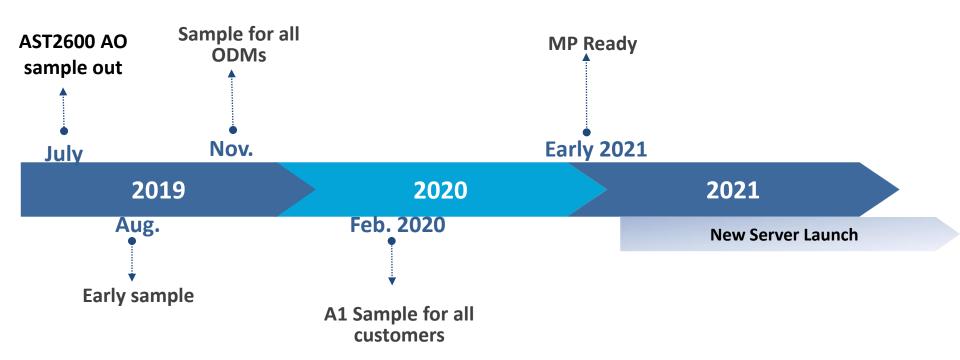
AST2600 Schedule





AST2600 is Worldwide first 28nm BMC chip for next generation server!

ASPEED launches AST2600 almost a year before competitor to occupy developer's development resource and mind share.



Product Portfolio









360 Spherical Image Processor SoC

ASPEED

PoC, Project, Product Management

















Cupola360 Ecosystem

Proof of Concept

Bi-Direction Object A/V

Object Tracking

VxD Driver

Video Conference RAW Image output

ISP Adv. Setting

UVC

MJPEG

Crop/ROI

URL for RTMP

TCP/IP RAW Socket

DoU Power Management

Cupola360 F/W, S/W, APP, Social Platform,

AST1220/AST1225



Sensors, Lens, ISP, 3D Stitching, Encoder

Redefine Cupola360 Product Portfolio



IC	AST1225	AST1220				
Use Case	2-cam	4-cam	6-cam			
FoV	180x90	360x60	360x360			
Targeting Application	Home SecurityVideo ConferencePortable CameraDashcam	Video ConferenceSecurity Camera	Portable CameraLive broadcasting			
photo	THE STATE OF THE S					

- 1. Multiple camera for better resolution,
- Best in-cam Stitching for live streaming,
 - 3. Rich APP Features for eco-system

Goal 2019-Cupola 360



Keep expanding customer base

- Design-win global brands together with ODM
- Approach Japanese brands











Enable Supply Chain Partners

- Enable camera module assembly house
- Increase cost competitiveness by introducing more supplier











Brand

ASPEED

Supply Chain Partner

Target to ship from Q1/2020

■ Customer MP in 2019Q4 and target to ship AST1220/1225 in Q1/2020



ODM

深圳市莱通光学科技有限公司 Shenzhen LaiTong Optical Technology Co., Ltd.

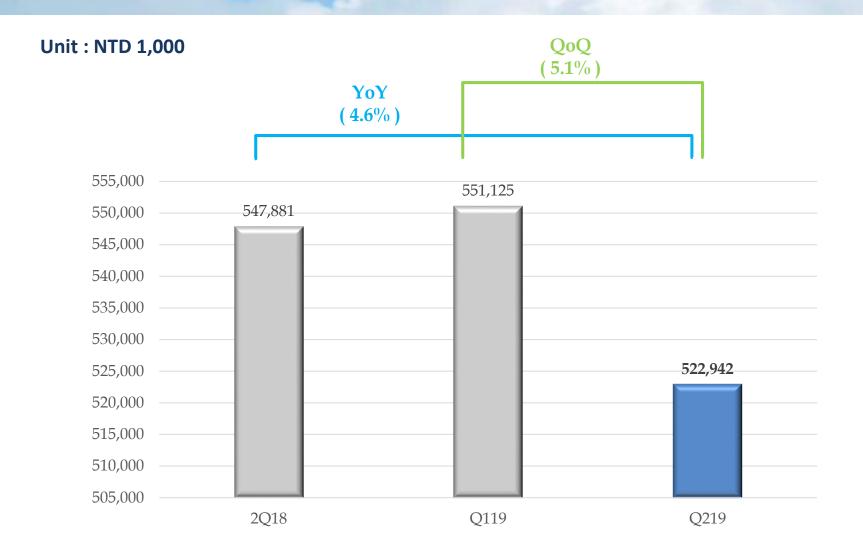


類創有限公司 INTRON CO., LTD.



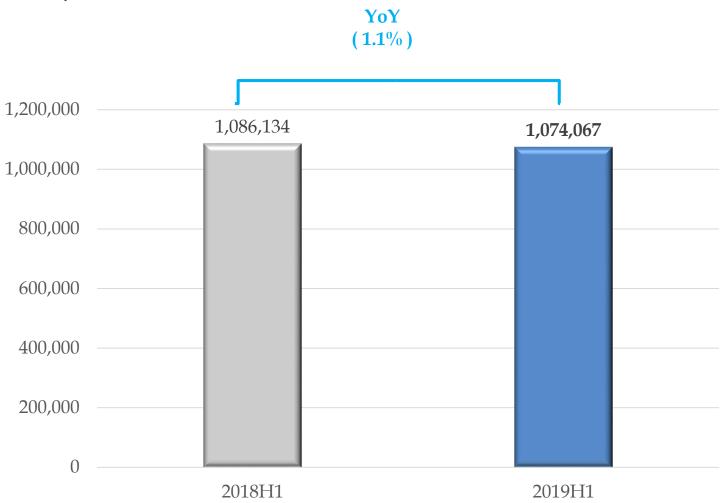
Consolidated Revenue





Consolidated Revenue





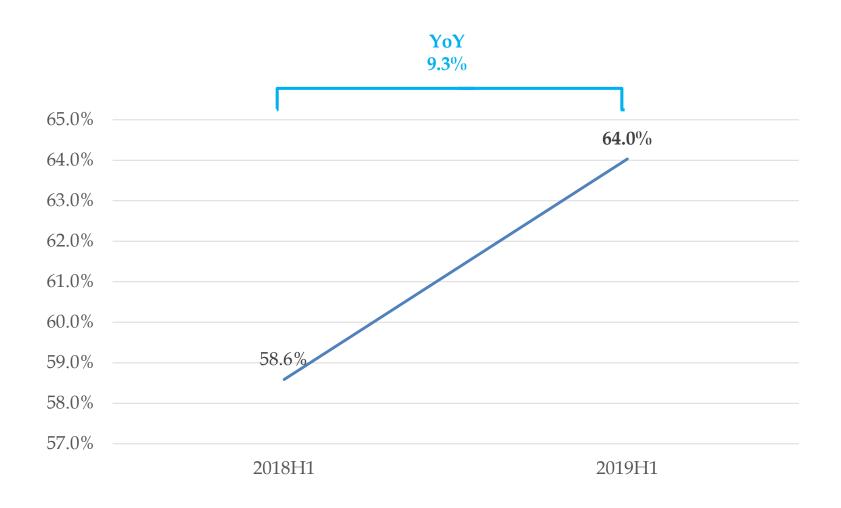
Consolidated Gross Margin





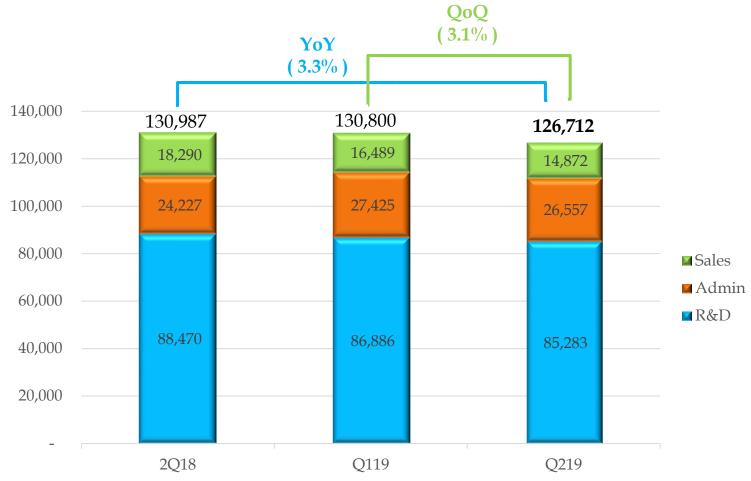
Consolidated Gross Margin





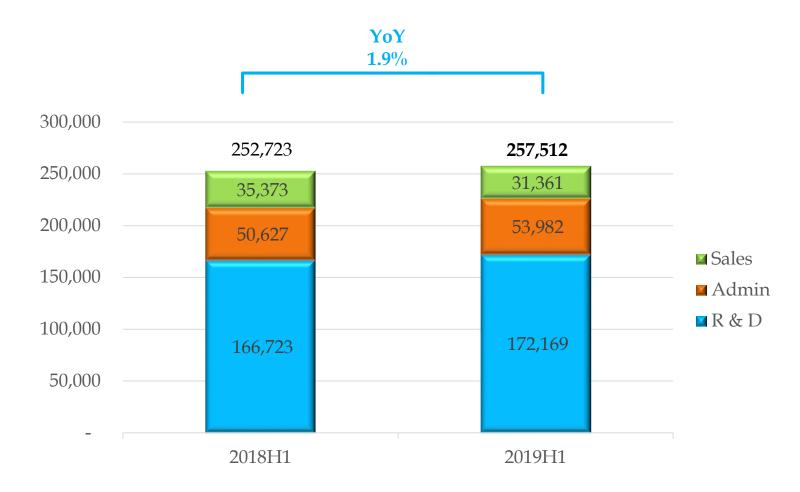
Consolidated Operating Expenses





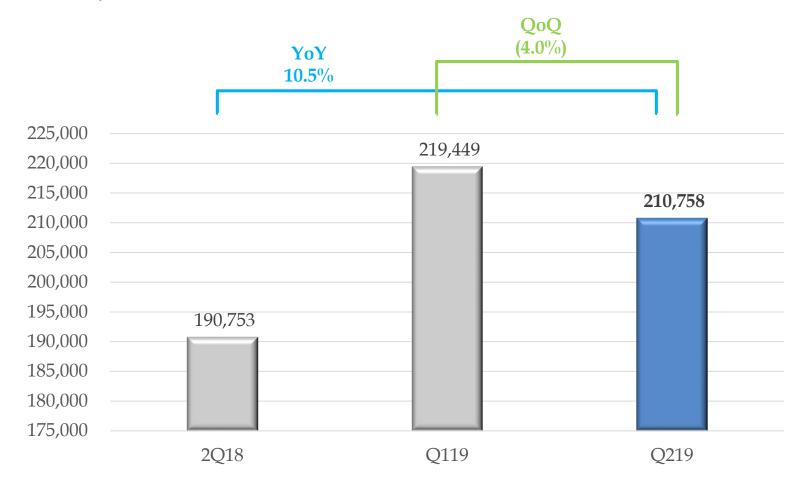
Consolidated Operating Expenses





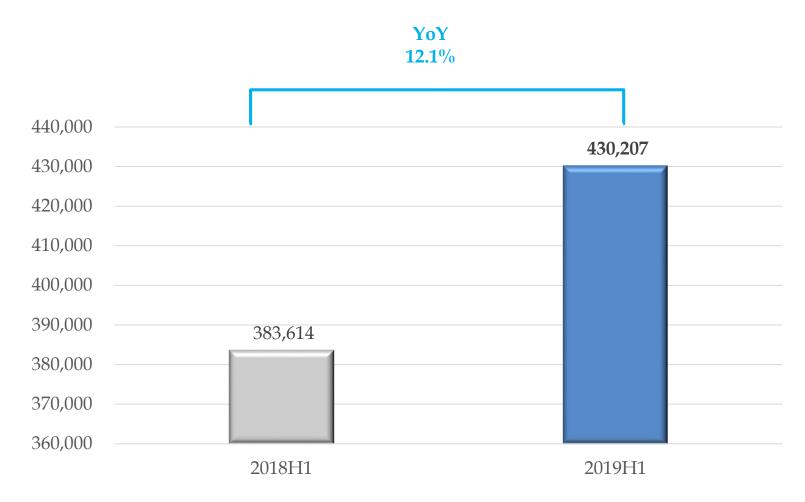
Consolidated Operating Income





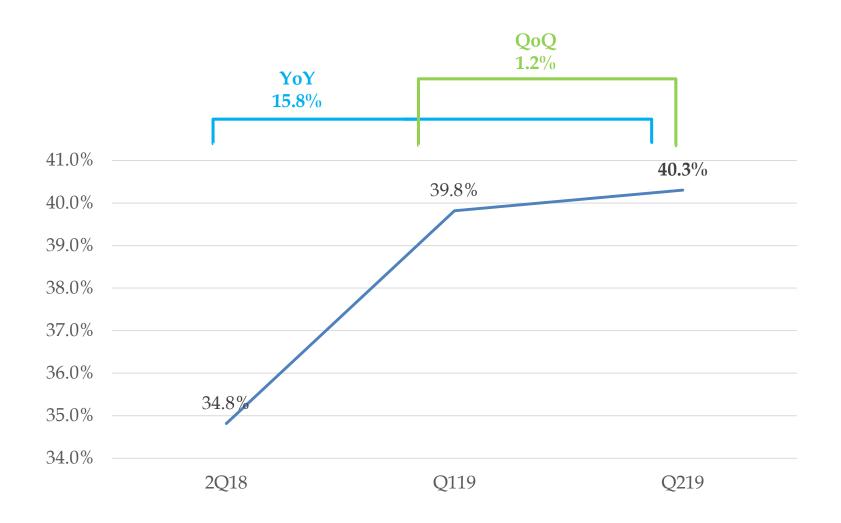
Consolidated Operating Income





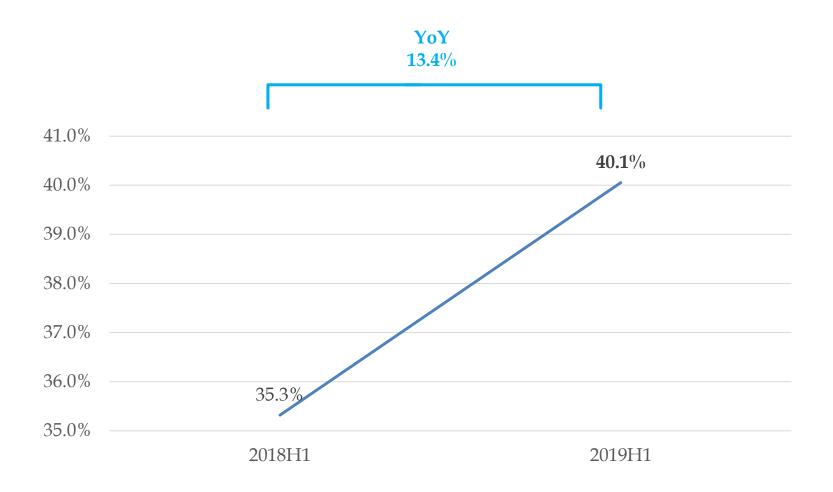
Consolidated Operating Margin





Consolidated Operating Margin





Consolidated Net Income



Q219

YoY (2.1%)

192,000 190,966

190,000
188,000
184,000
182,000
180,000
180,000

2Q18

178,000

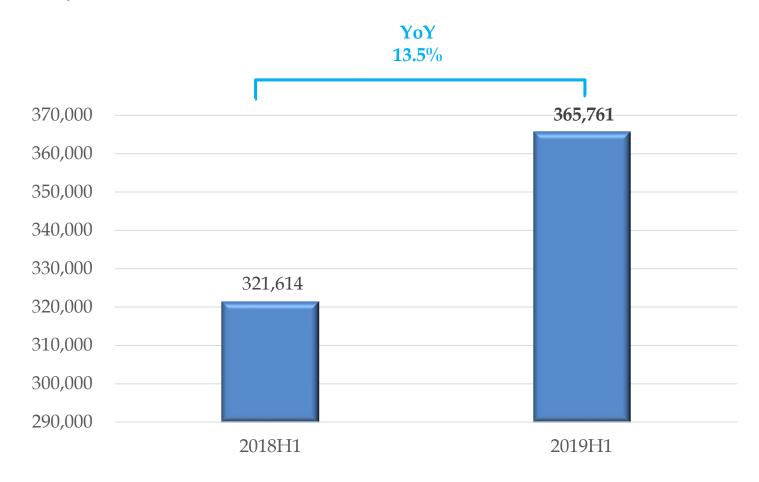
176,000

174,000

Q119

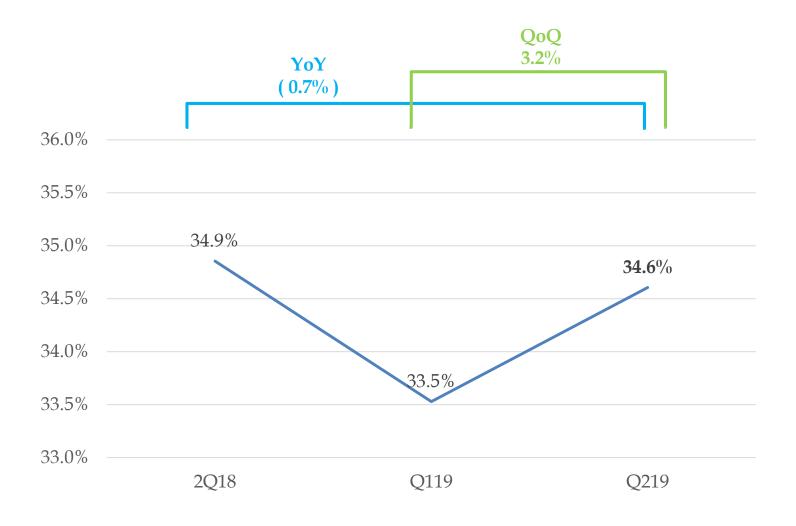
Consolidated Net Income





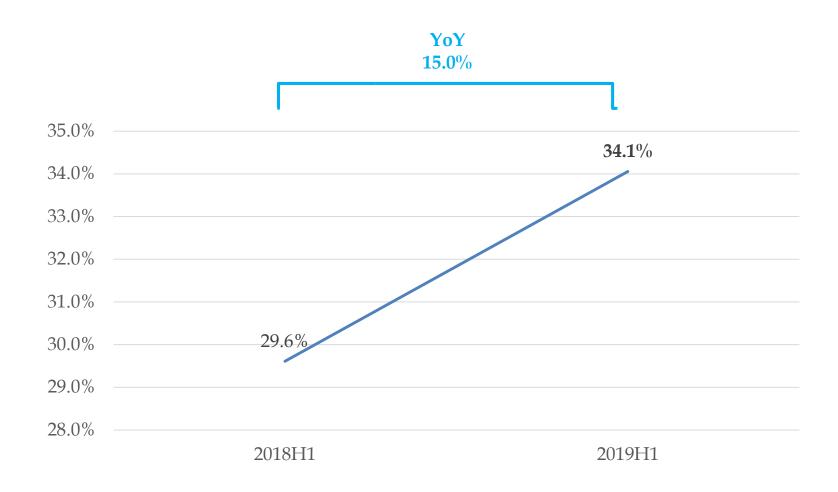
Consolidated Net Profit Margin





Consolidated Net Profit Margin

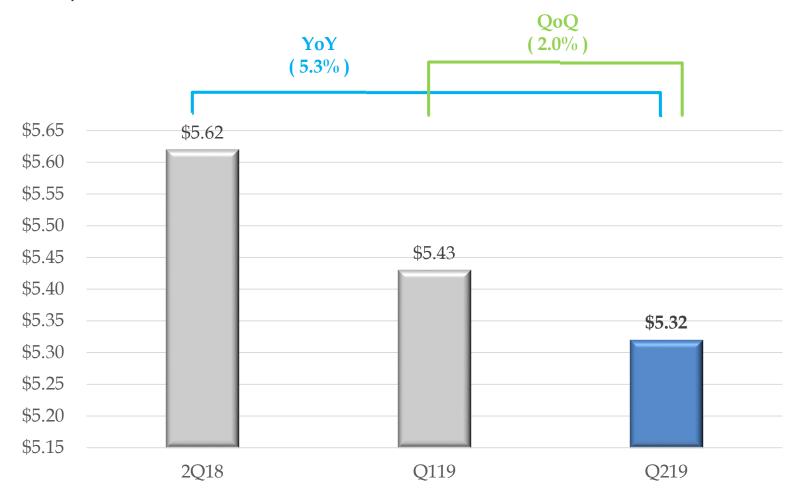




Consolidated Earning Per Share



Unit: NT\$



Consolidated Earning Per Share



Unit: NT\$



Dividend Policy



	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018
Cash dividend (F)	2.29	3.00	4.00	5.00	5.50	7.00	8.00	12.00	15.00	18.00
Stock dividend (F)	2.00	1.42	0.00	0.00	0.00	2.00	0.00	0.00	0.00	0.00
Dividend form capital reserves (F)	0.30	0.60	0.22	0.20	1.00	0.00	0.00	0.00	0.00	0.00
Total Dividend	4.59	5.02	4.22	5.20	6.50	9.00	8.00	12.00	15.00	18.00
EPS	5.64	5.66	4.77	6.50	7.40	10.72	10.79	14.07	15.70	20.20

Earning distributions:

- Employee bonus can not be less than 8%
- Directors bonus no higher than 3%
- With respect to the earnings available for distribution plus the previously cumulative undistributed retained earnings, the Board of Directors may present a proposal to distribute to the Shareholders by way of dividends at the annual general meeting for approval. Having considered the operational, financial and tax factors, including the Company being in the growing stage during the business life cycle and the future expansion projects, any remaining profits may be distributed in the form of cash dividends and/or shares, and the cash dividends shall be no less than 10% of such remaining profits to be distributed.

