

RichWave Technology Corp. 2016 Q4 Investor Conference

Feb. 9, 2017

Increasing Mobile Data Traffic



Streaming Video

Internet video will increase four-fold between 2015 and 2020

Mobile Internet Users
3.6B Users in 2017, 4.17B by 2020



Streaming Audio

Traffic Growing 45% CAGR 2015-2020



Connected Cars

Shipment is expected to reach 69 million in 2020

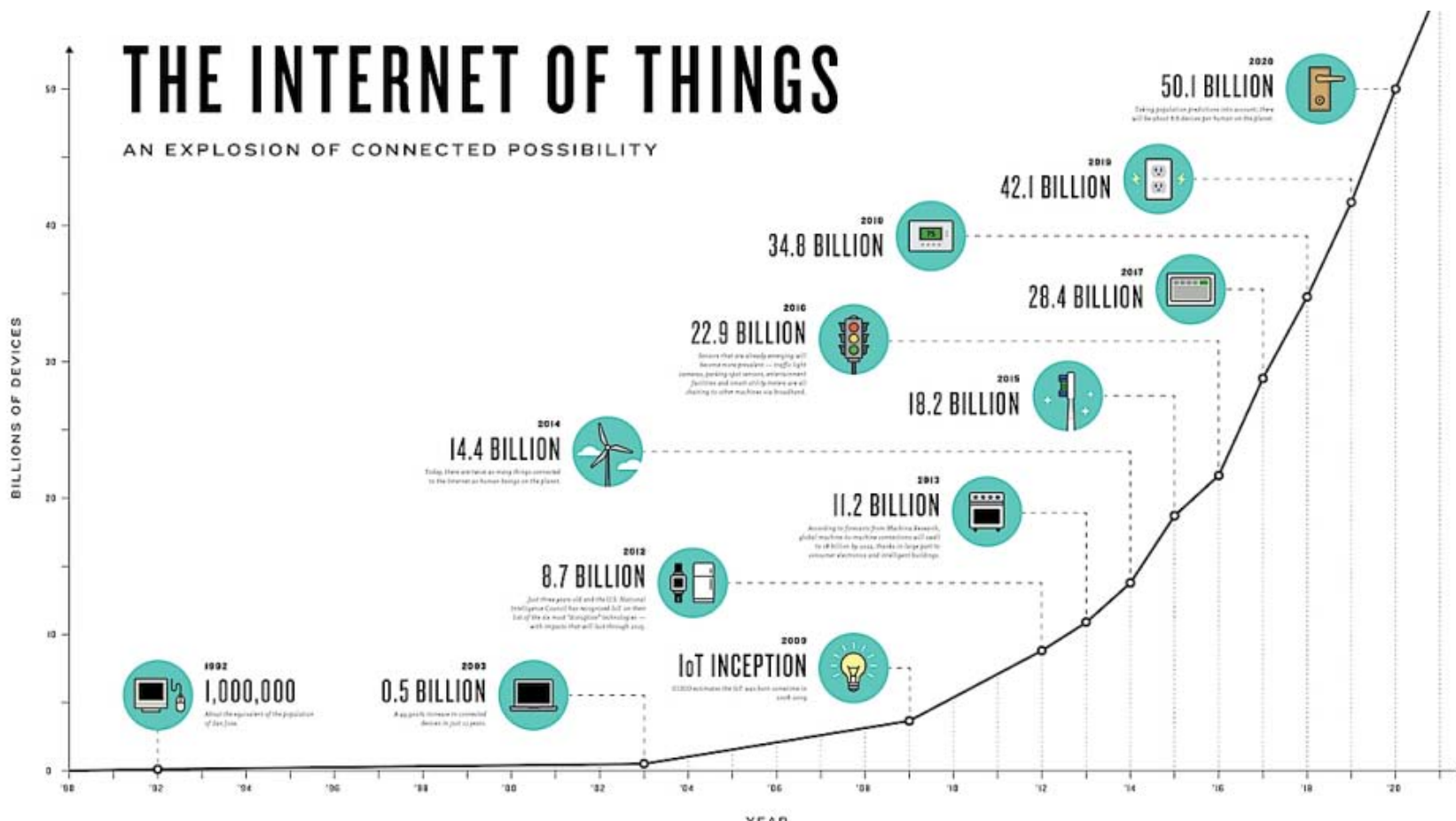


Virtual Reality

Virtual reality traffic will increase 61-fold by 2020

Source: eMarketer, Statista, Cisco VNI, BI Intelligence

Moving to 50 Billion Connected Devices



Source: LoRa Alliance

Expanding Portfolios and Scope

Technologies

SOI CMOS
SiGe GaAs



Bluetooth®



Products

Power Amplifier
Low Noise Amplifier
Switch
Front-End Module
Antenna Tuner
FM/ AM
Wireless Video

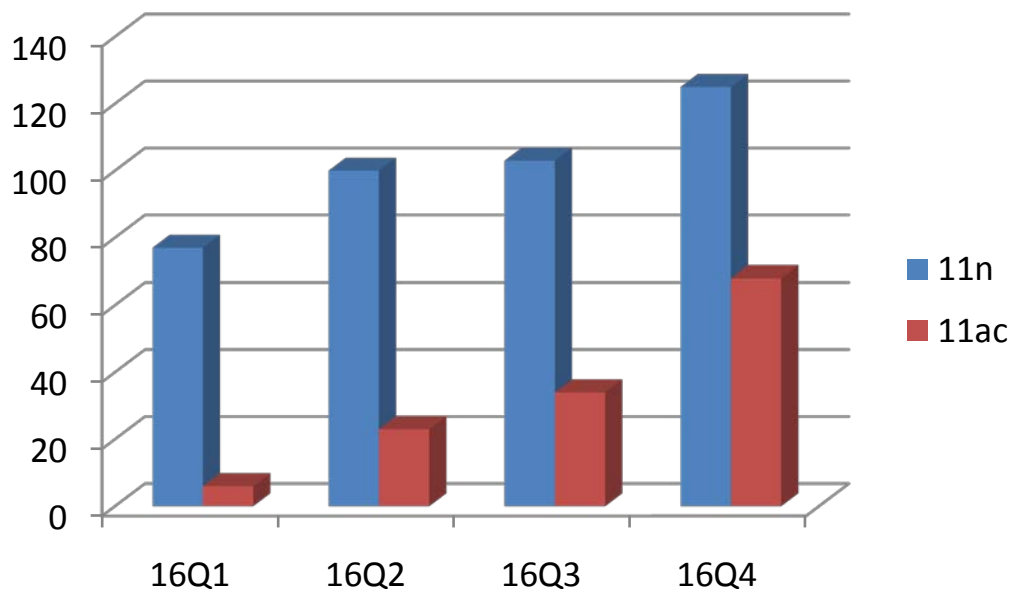
Scope

330 Customers
190 Patents
250 Products
70M pcs/month
shipping

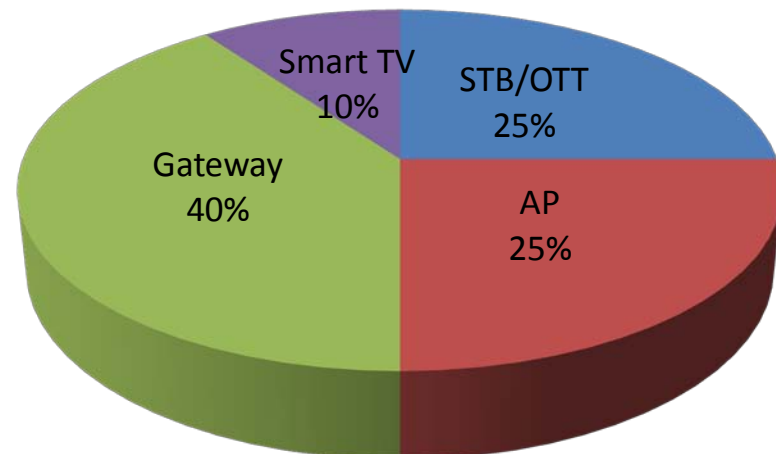
802.11ac FEM/PA Ramping Up

- 11ac FEM/ PA continue ramping up driven by higher and higher video transmission requirement in gateway, AP, smart TV, and STB/OTT...applications.

Unit: NT\$ Million

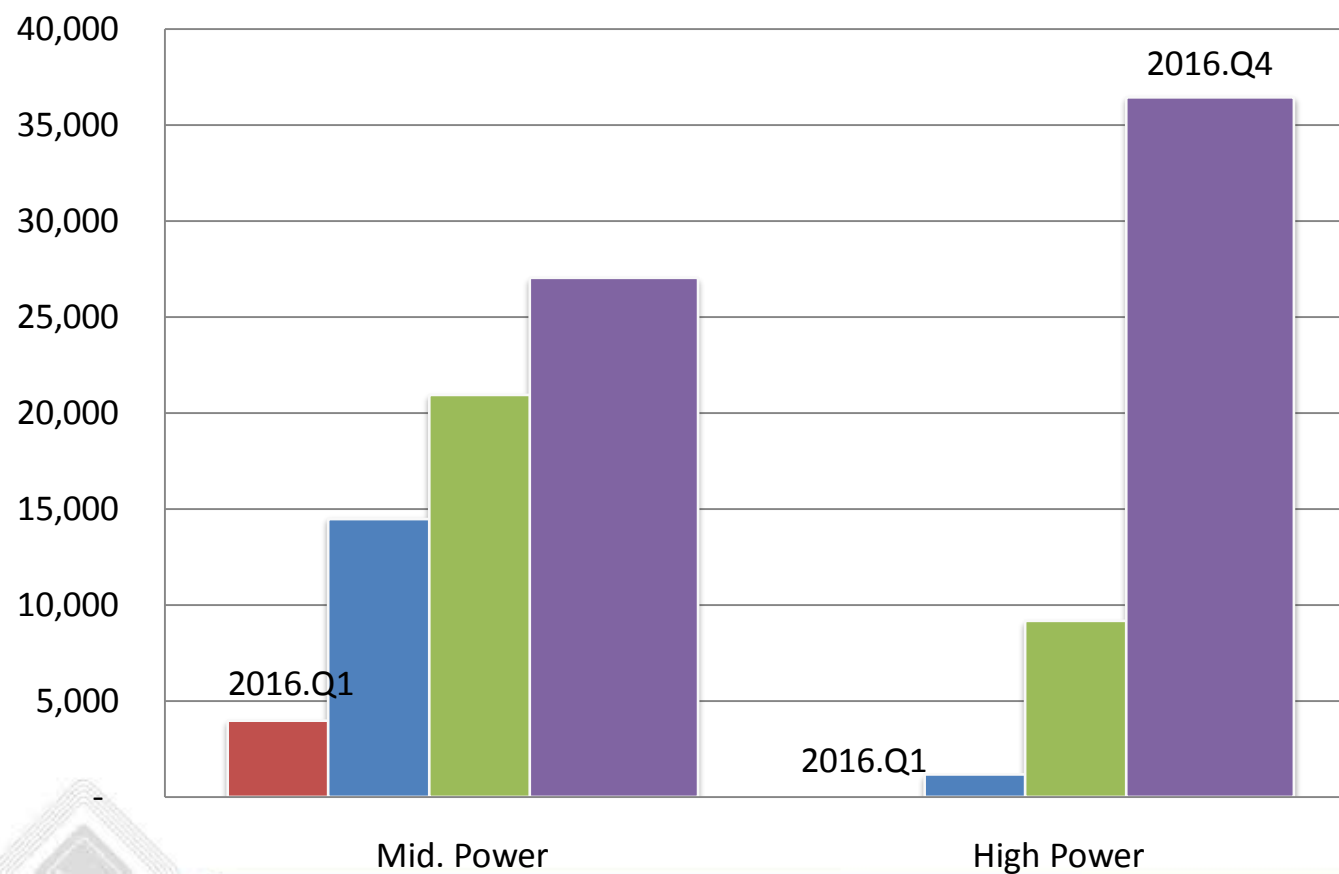


11ac FEM/PA distribution

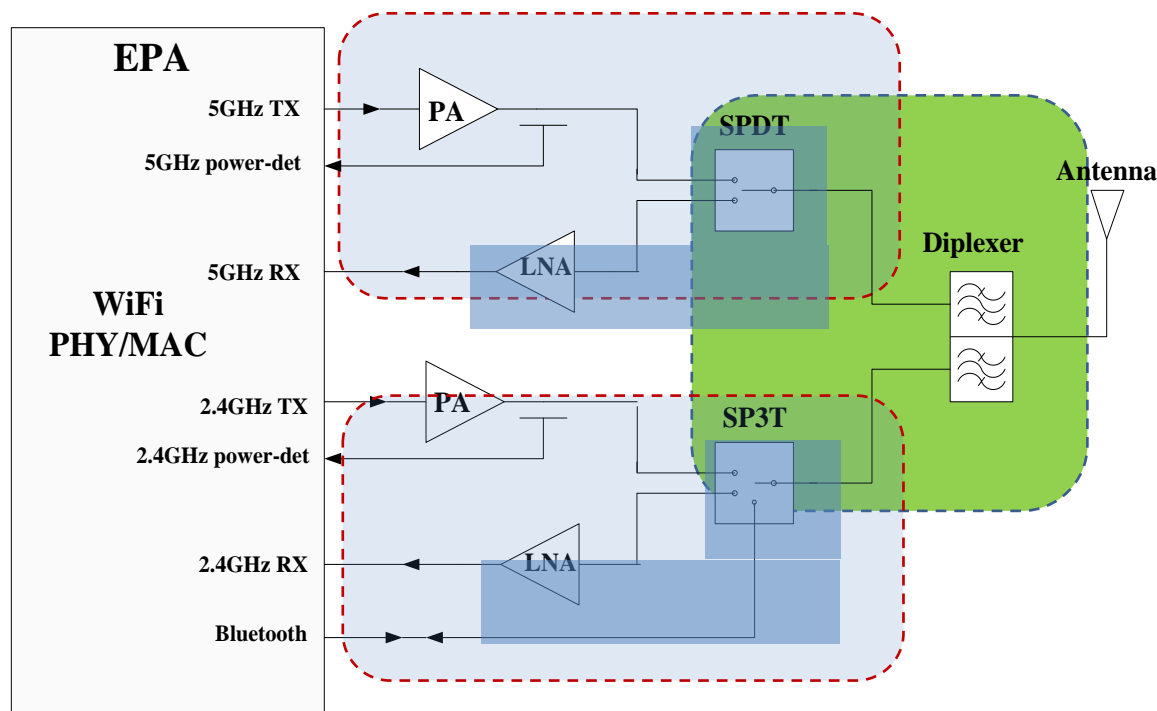


802.11ac High Power vs. Mid Power

Unit: NT\$ Thousand



Complete WiFi 802.11ac Solutions



5GHz WiFi FEM for 11ac

Antenna output	16dBm	20dBm	22.5dBm
FEM	V	V	V
PA	V	V	V
LNA	V	V	V
SW	V	V	V

2GHz WiFi FEM for 11ac and 11n

Antenna output	20dBm	23dBm	25dBm
FEM	V	V	(new)
PA	V	V	V
LNA	V	V	V
SW	V	V	V

Increasing Brands in WiFi

Network



Alcatel-Lucent



H3C

ZTE

Mobile



ASUS



ALCATEL
onetouch.

MEIZU

Embedded

amazon



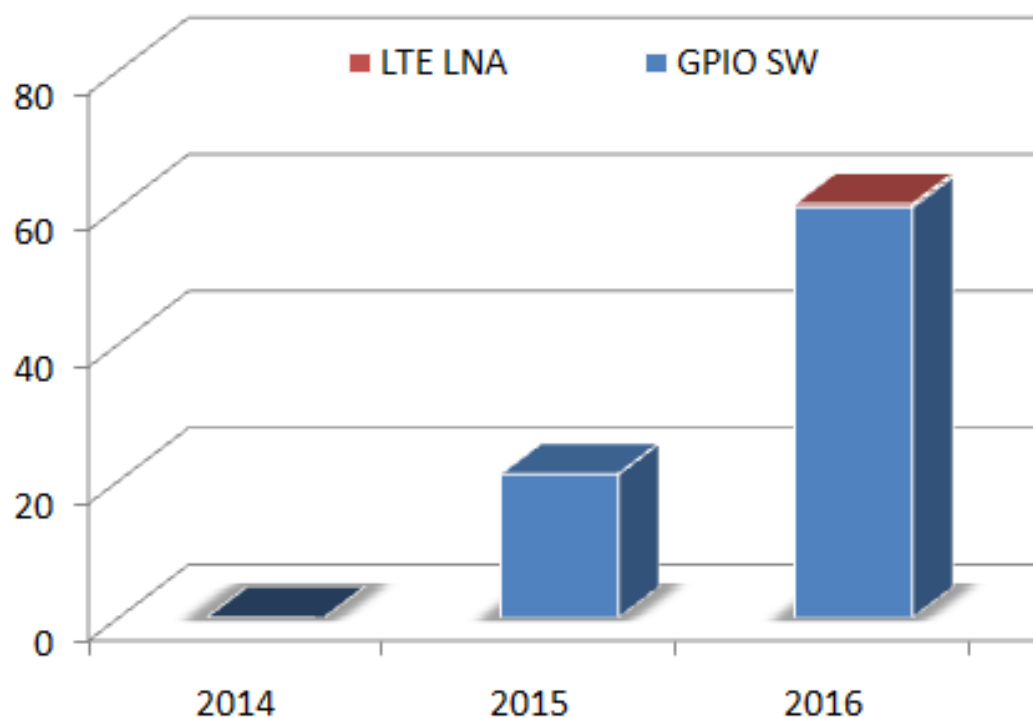
Roku



LTE Ramping Up

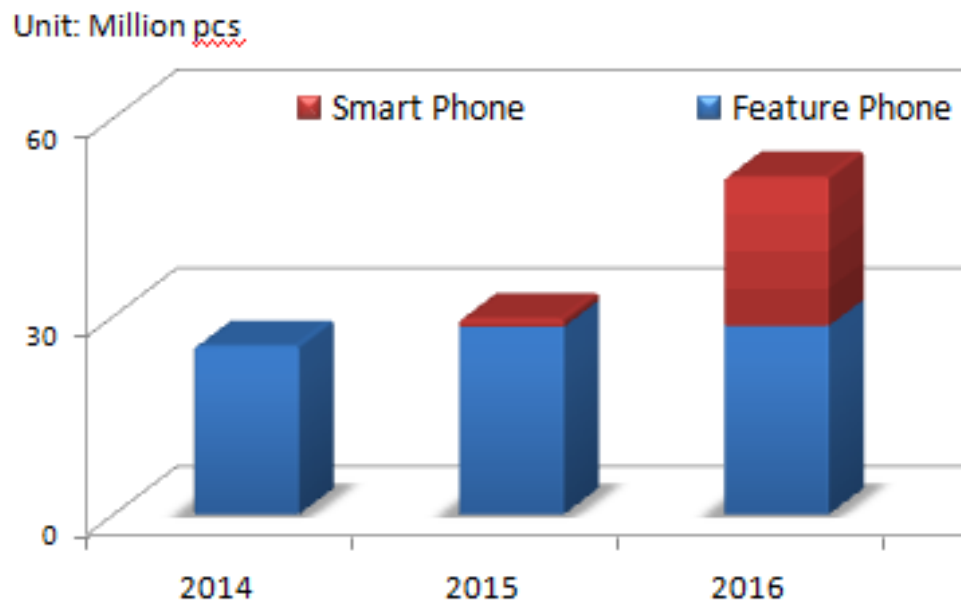


Unit: Million pcs



FM Continue to Win and FM/AM Launch

- FM/AM launch in clock radio and automotive aftermarket.
- FM win in next generation flagship smart phone.



Increasing Demand in Wireless Video



Palm-airplane

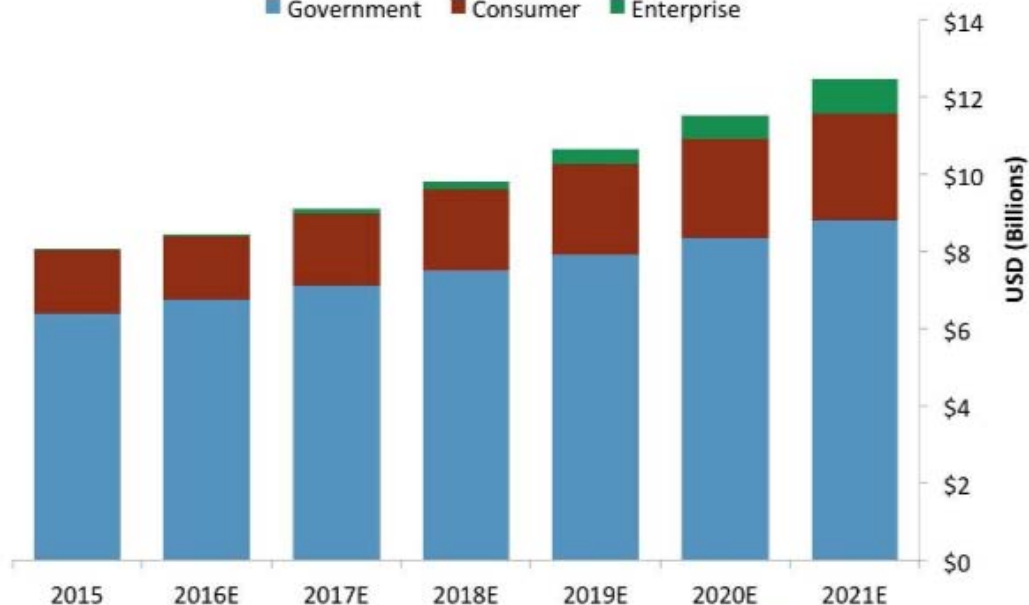


Furion wireless backup system

Estimated Investment In Drone Hardware

Global

■ Government ■ Consumer ■ Enterprise

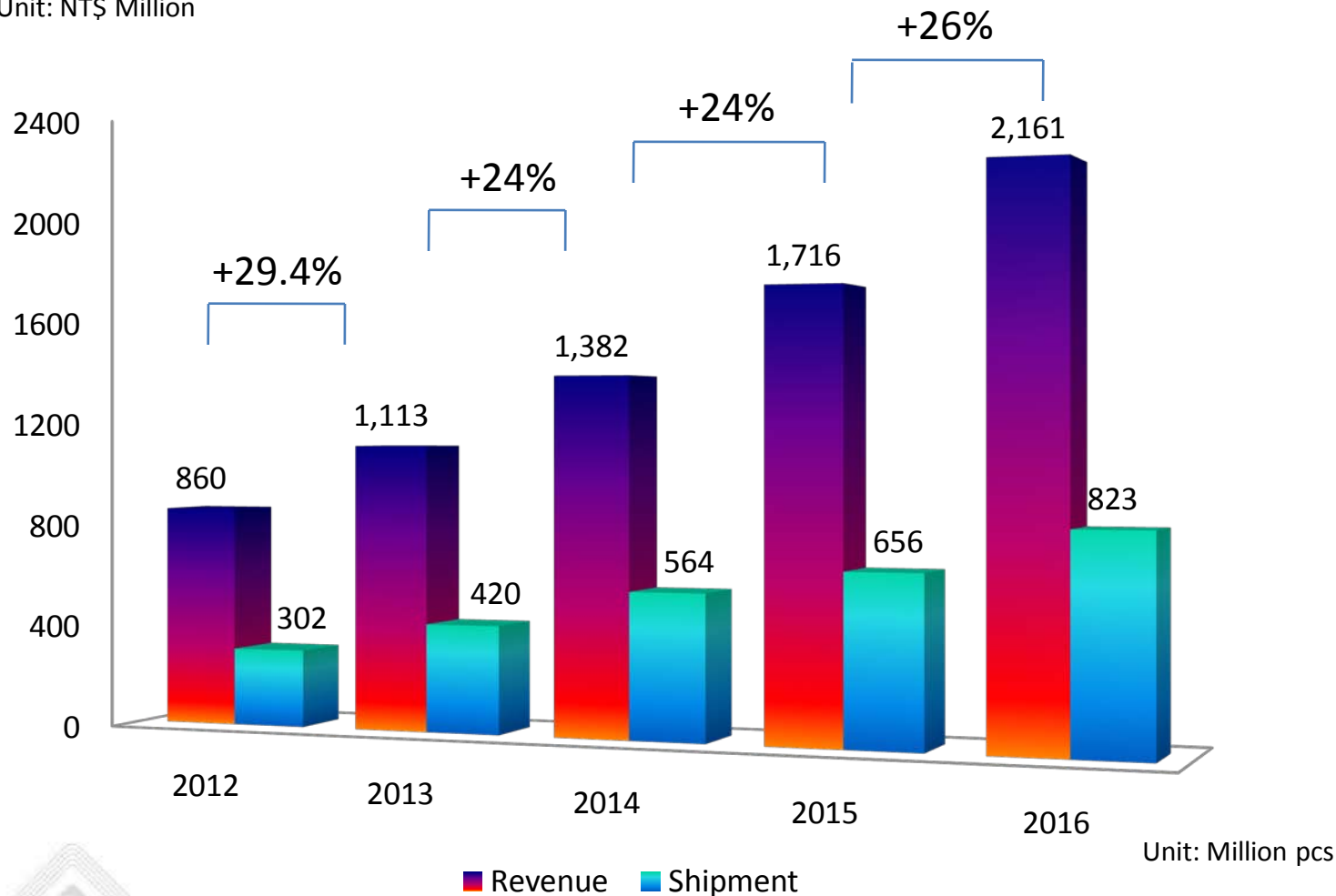


Source: IHS Jane's Intelligence Review, 2015; BI Intelligence Estimates, 2016

BI INTELLIGENCE

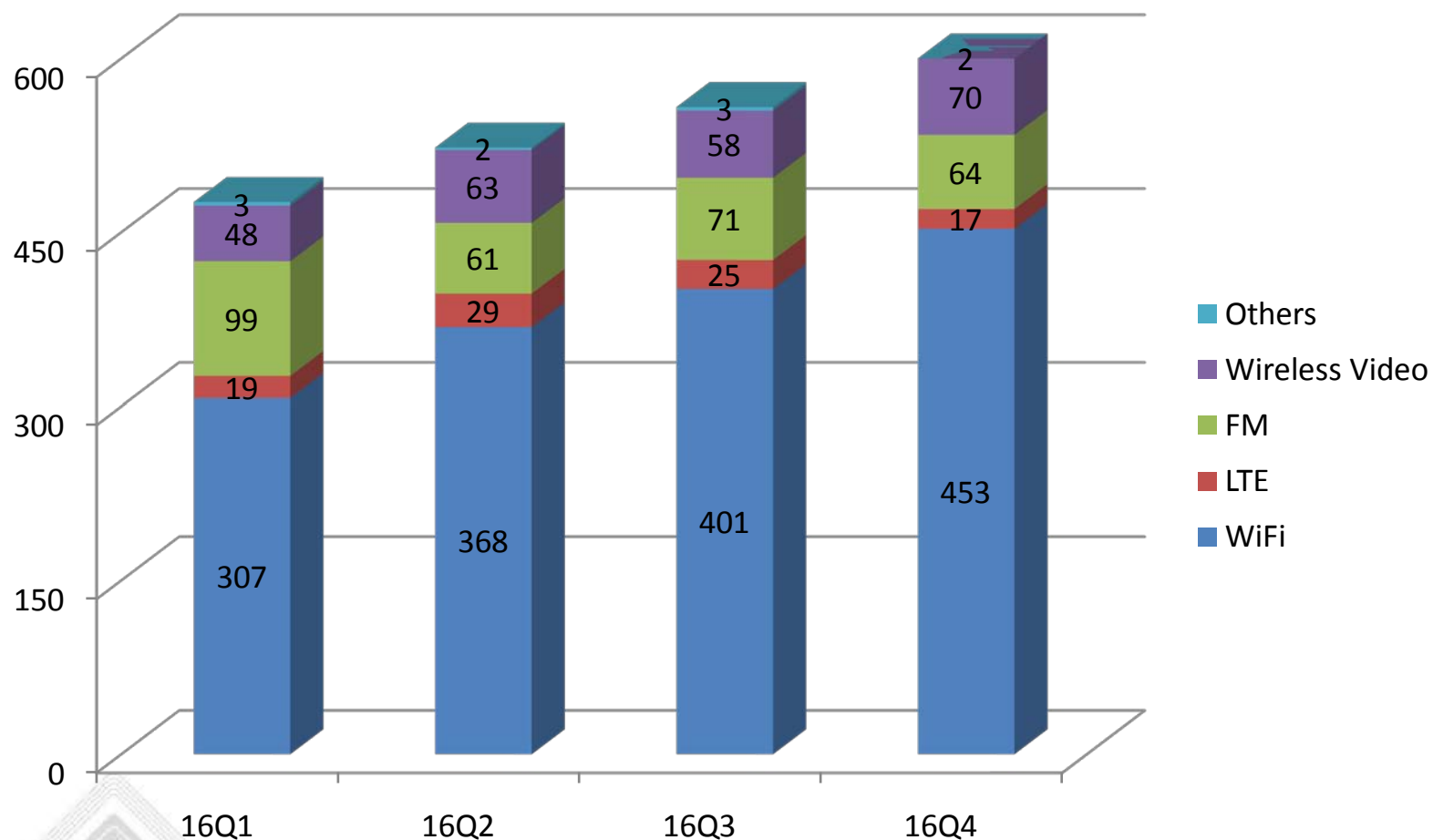
Trend in Net Sales & Units

Unit: NT\$ Million



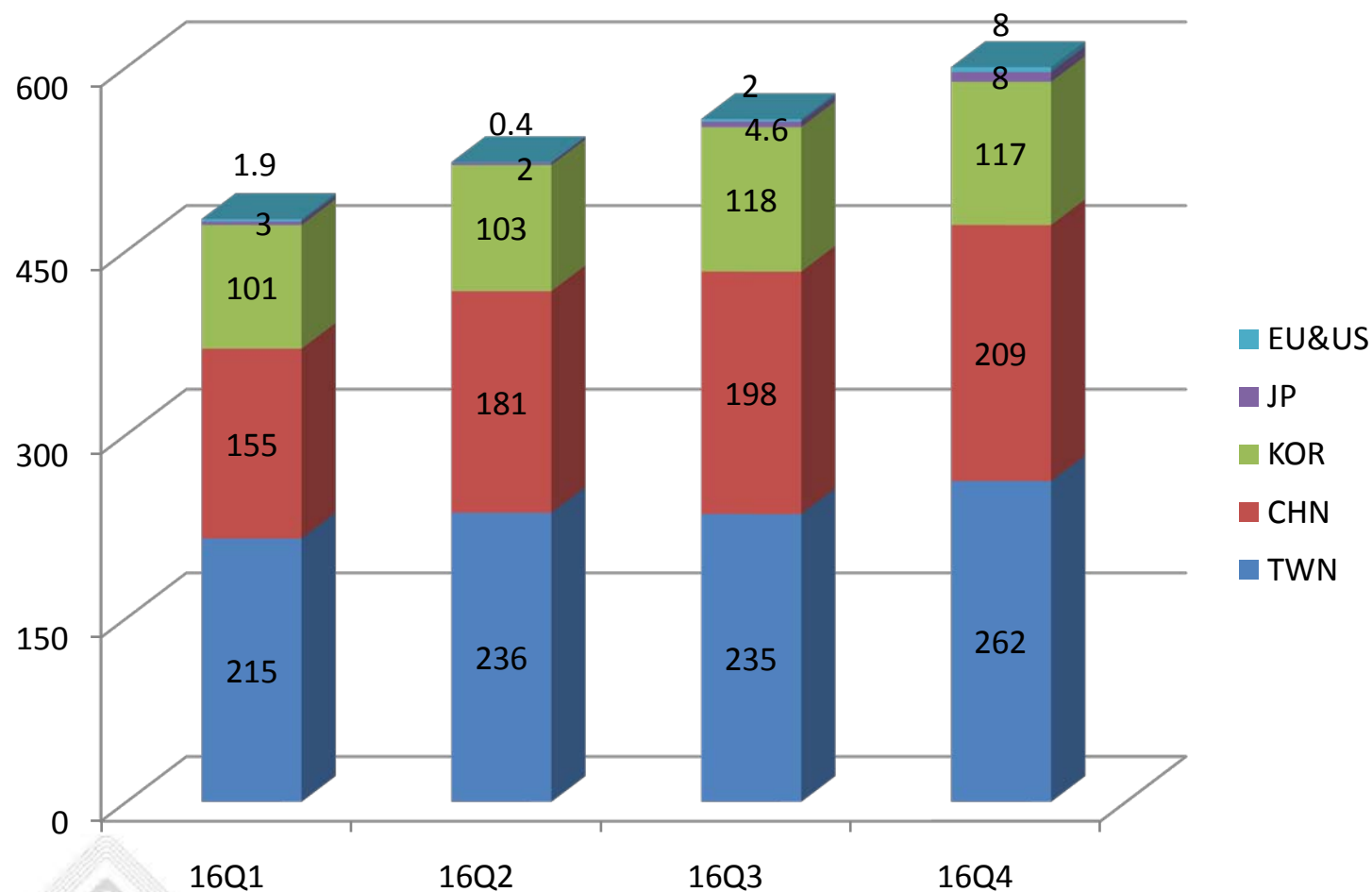
Revenue by Products

Unit: NT\$ Million



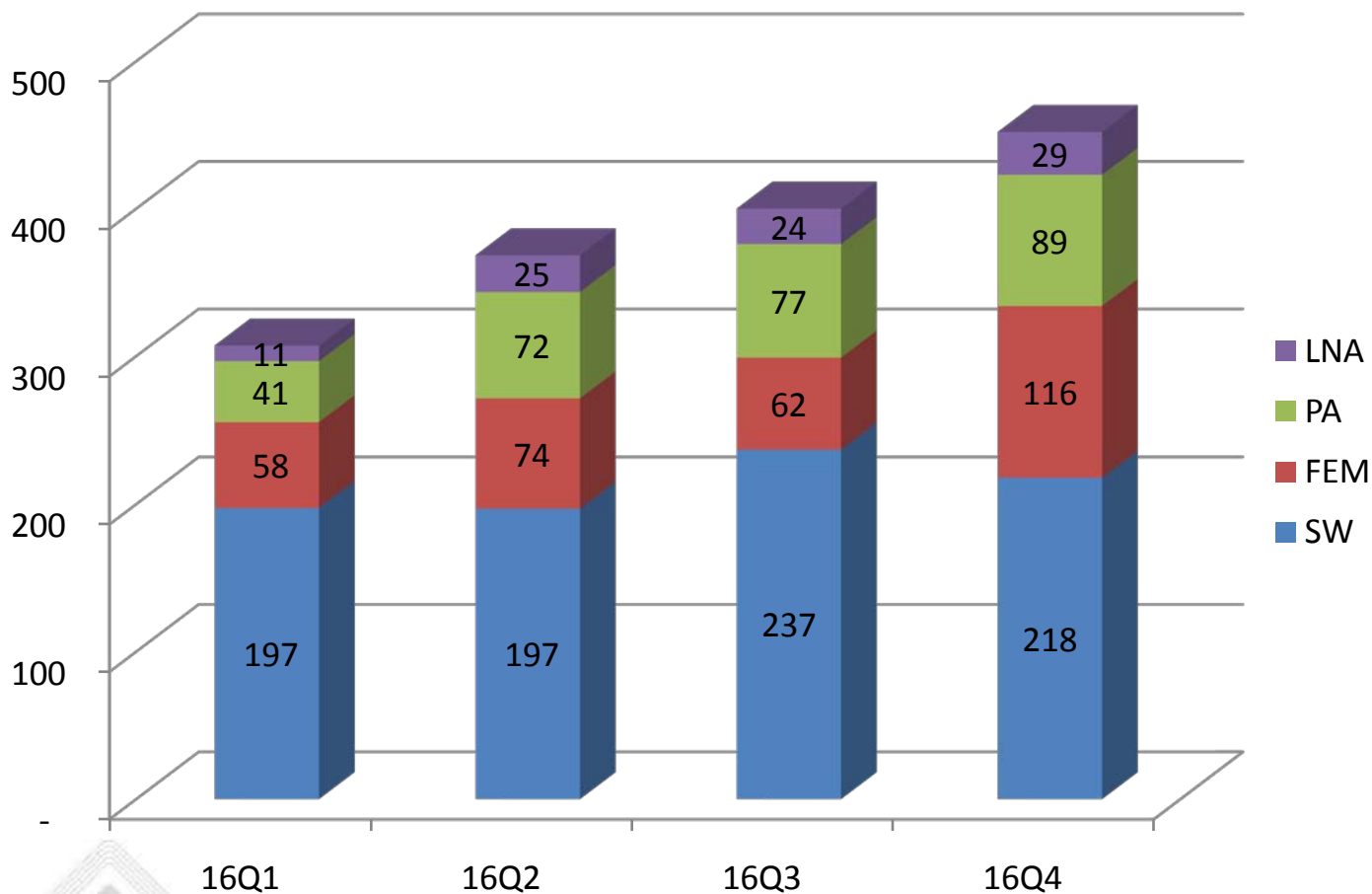
Revenue by Regions

Unit: NT\$ Million

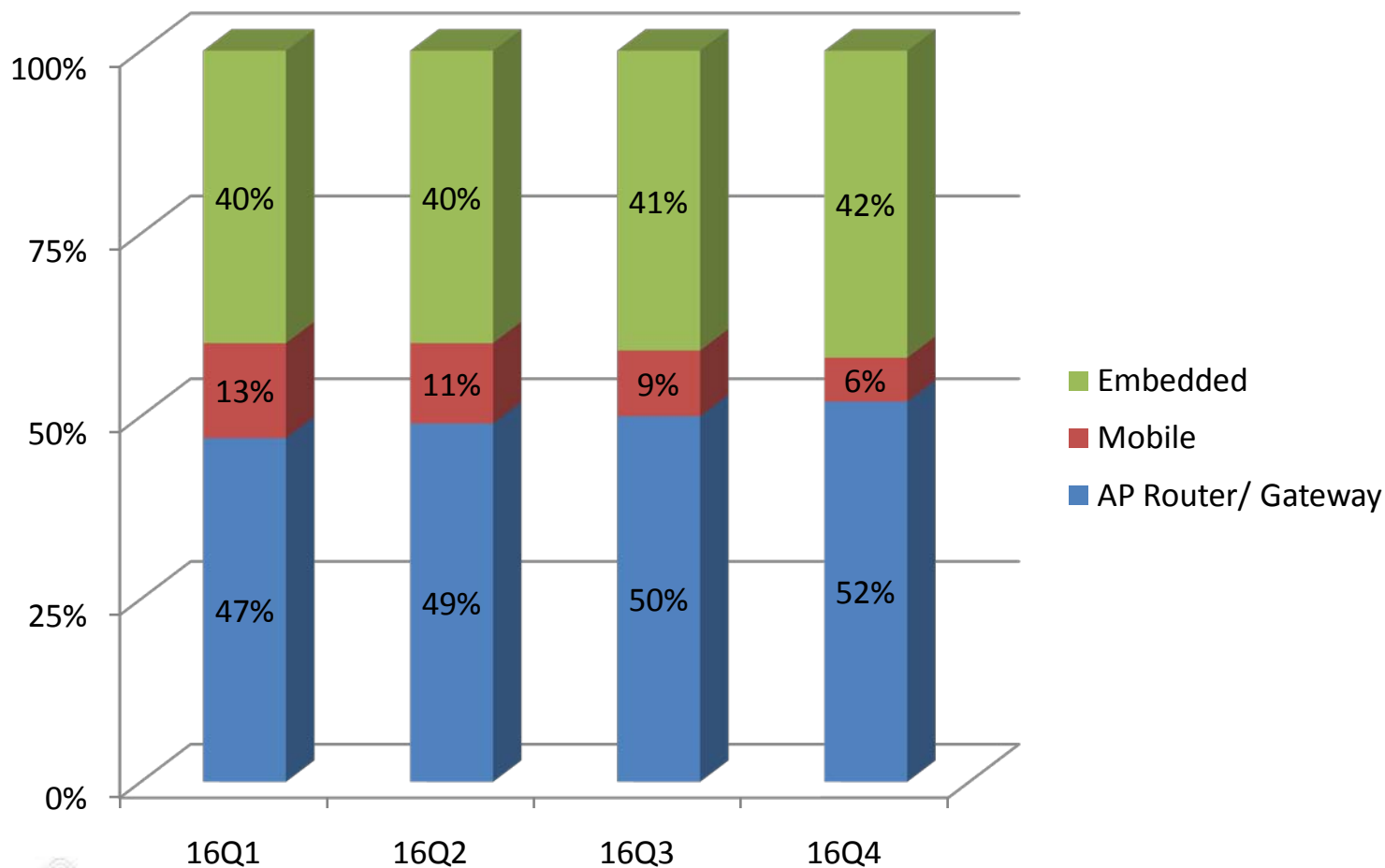


WiFi Revenue by Products

Unit: NT\$ Million



WiFi Revenue by Applications



2016 Q4 Operation Results

Amount:NT\$ MN	2016 Q4		2016 Q3		QoQ	2015 Q4		YoY
	Amount	%	Amount	%	%	Amount	%	%
Net Sales	605	100%	557	100%	8.6%	461	100%	31.2%
Gross Margin	201	33.2%	193	34.6%	4.1%	157	34.1%	28.0%
Operating Expense	159	26.3%	140	25.1%	13.6%	135	29.3%	17.8%
Operating Profit	41	6.8%	53	9.5%	-22.6%	22	4.8%	86.4%
Net Income before Tax	58	9.6%	34	6.1%	70.6%	23	5.0%	152.2%
Net Income after Tax	50	8.3%	30	5.4%	66.7%	23	5.0%	117.4%
EPS	0.91		0.55			0.43		

2016 total revenue NT\$2.16 billion, gross margin 33.9%, OP margin 8.5%, net profit NT\$ 150 million, EPS 2.74.



RichWave