

World No. 1 in RJ-45 ICM Market



Founded in 2005

Ticker: 3689 TT

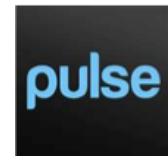
3,000 Full Time Employees

Dedicated Mfg of Integrated RJ-45 Modules

2021 Revenue of NT\$6.2Bn

- Headquarters: Taoyuan, Taiwan
- Deyang, Sichuan, China Plant:
Main Production Site
- Donguan, Guangzhou, China Plant:
Product and Automation R&D, High Value-Added Production

Competitors



High Entry Barriers for Conventional Connector Producers

RJ45 ICM production requires mastery of conventional connector production techniques and additional techniques specific to high speed data transfer

Conventional Connector

Mechanical Precision

Structural Design

Precision Injection

High Speed Stamping

Precise Mold Design

RJ45 ICM

High Speed Transmission

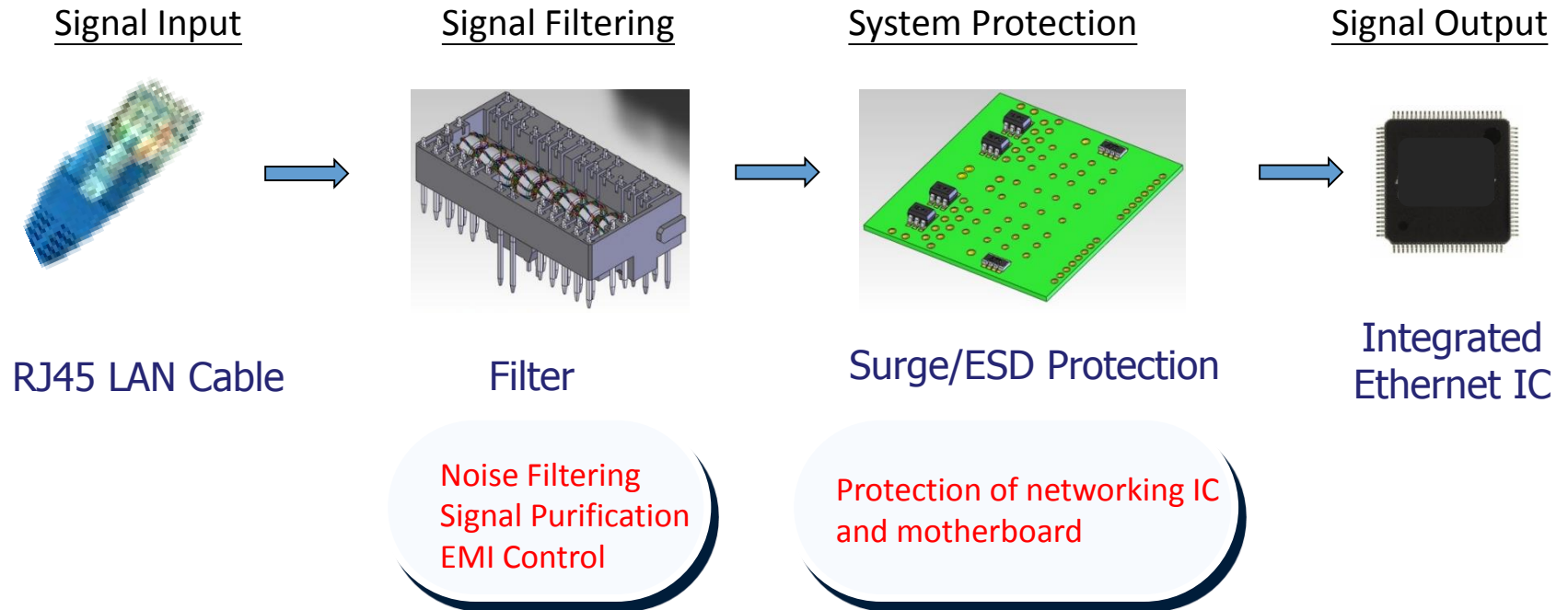
Electronic Fine Tuning

Noise and EMI Reduction

Network and MB Protection

Circuit Design








UDE Possesses Excellent Electromagnetic Signal Processing and Customization Capability



Customized high frequency electromagnetic impedance design to match customer systems

Goal : Maintain high S/N ratio to guarantee complete and rapid signal transmission to the network IC on client motherboard

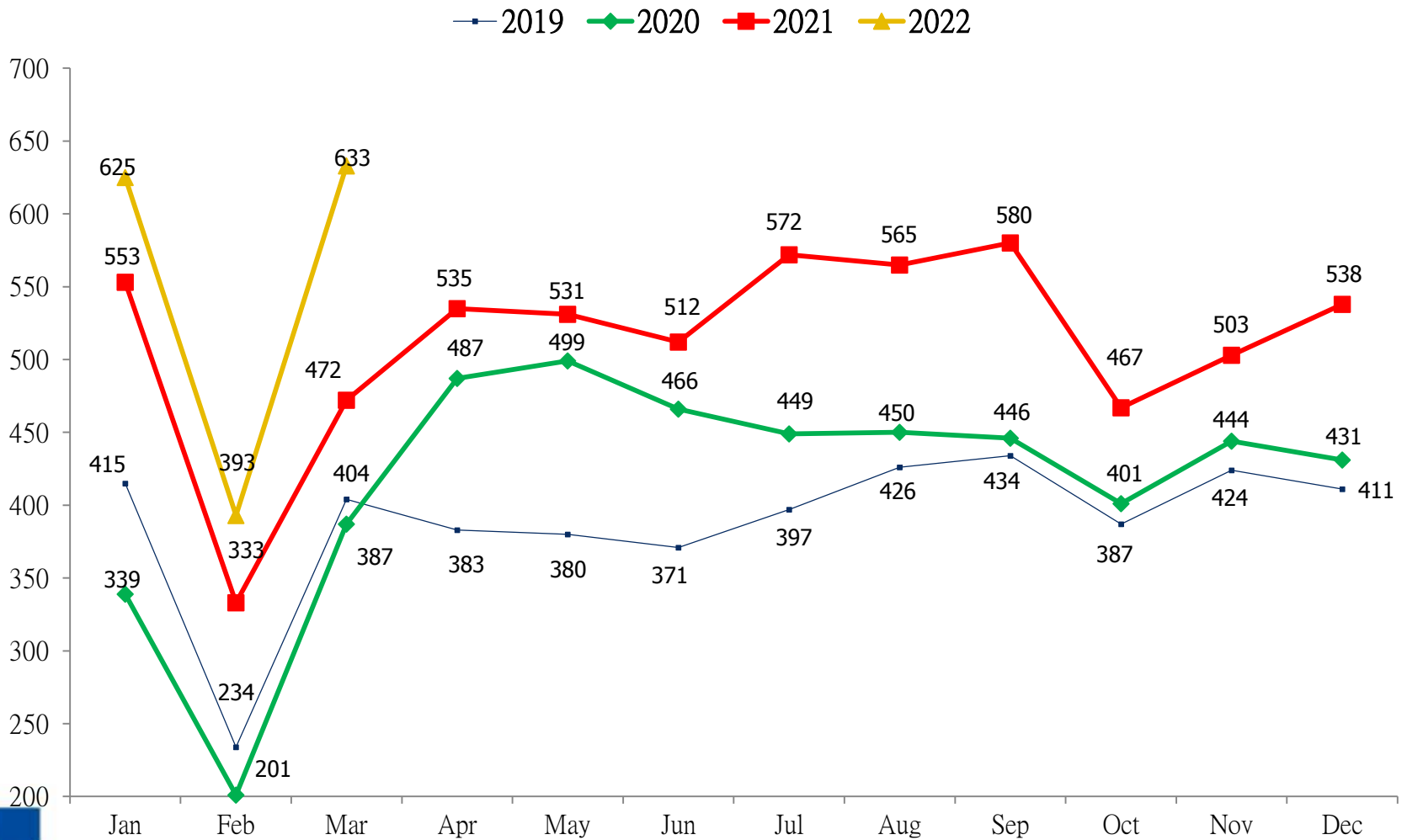
UDE : The Most Diverse Application Producer

	Networking	PC	Consumer
	√	√	√
	√	√	
	√		
	√		
	√		
	√		
	√		√



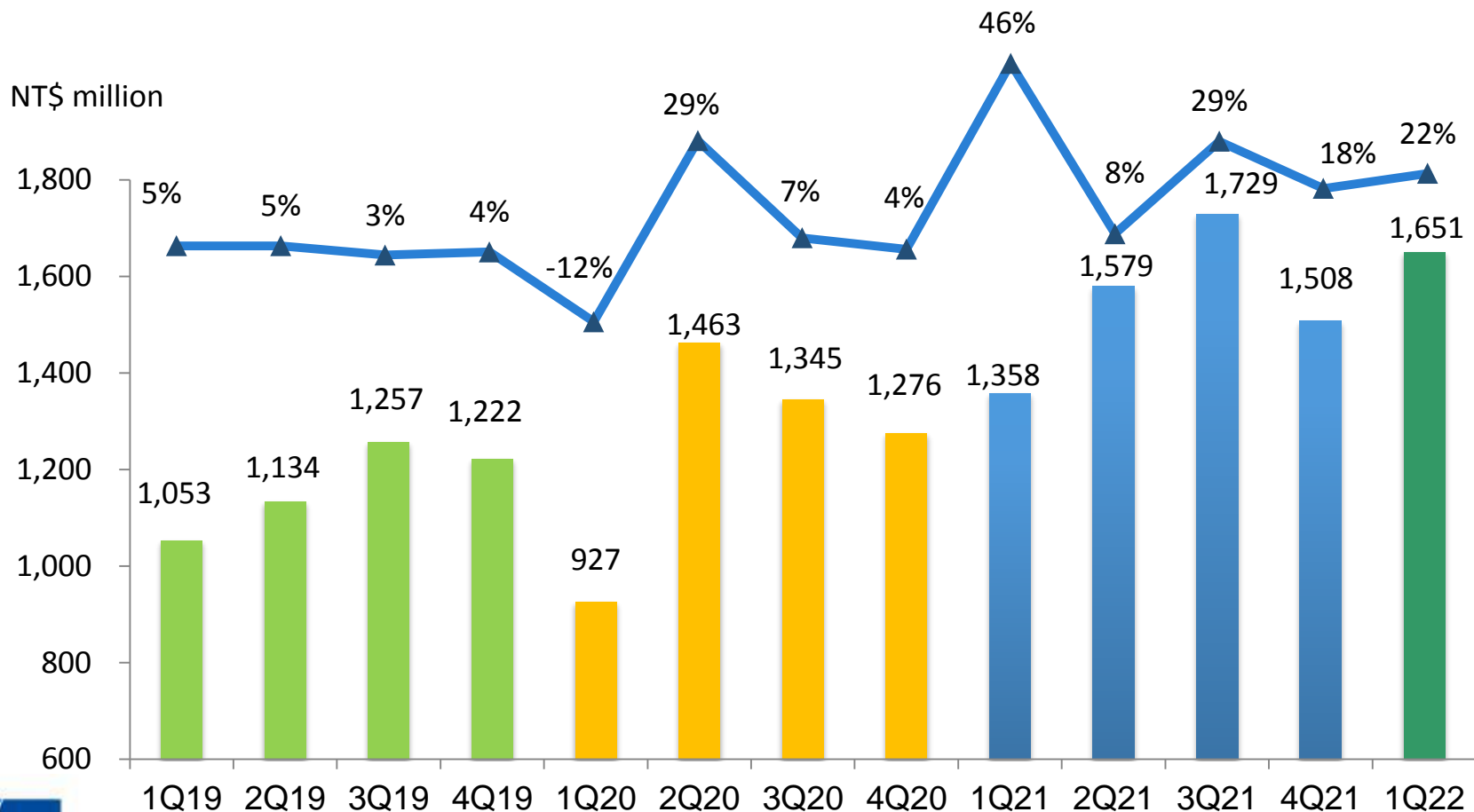
Monthly Revenue Trend

NT\$ million



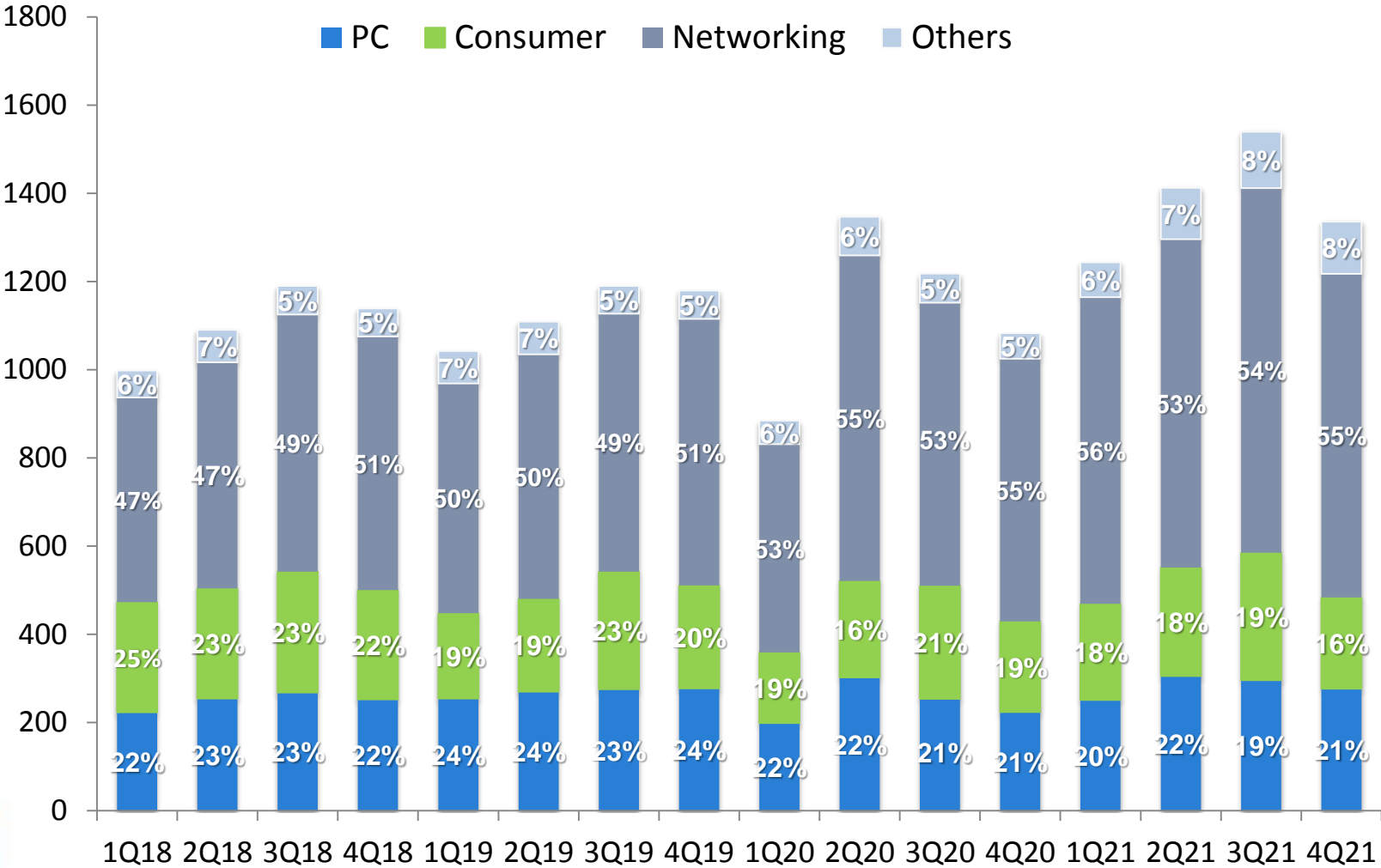
Quarterly Revenue Trend

YoY Growth



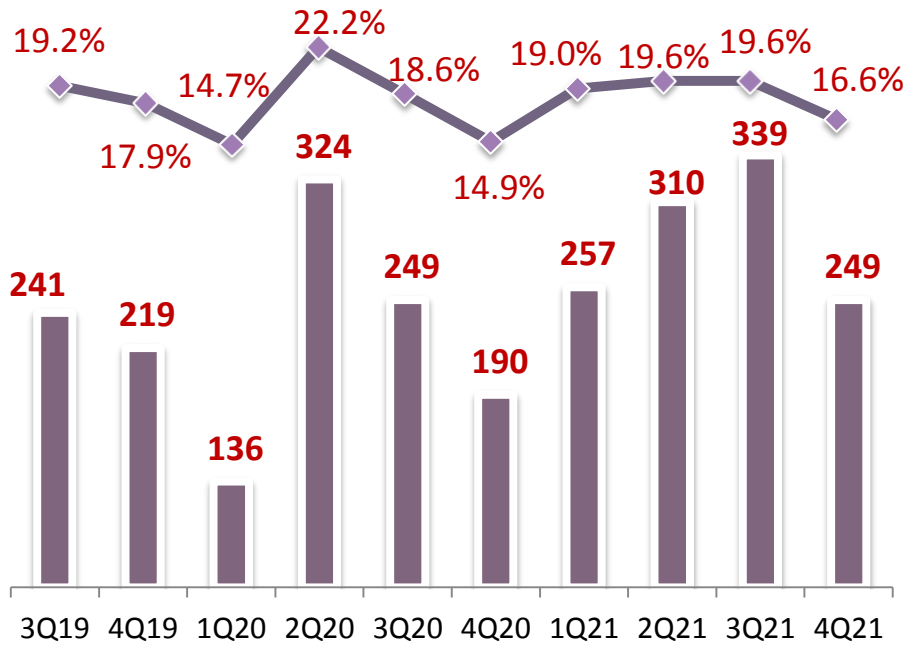
Sales Breakdown by Main Application-RJ45 Related

NT\$ million



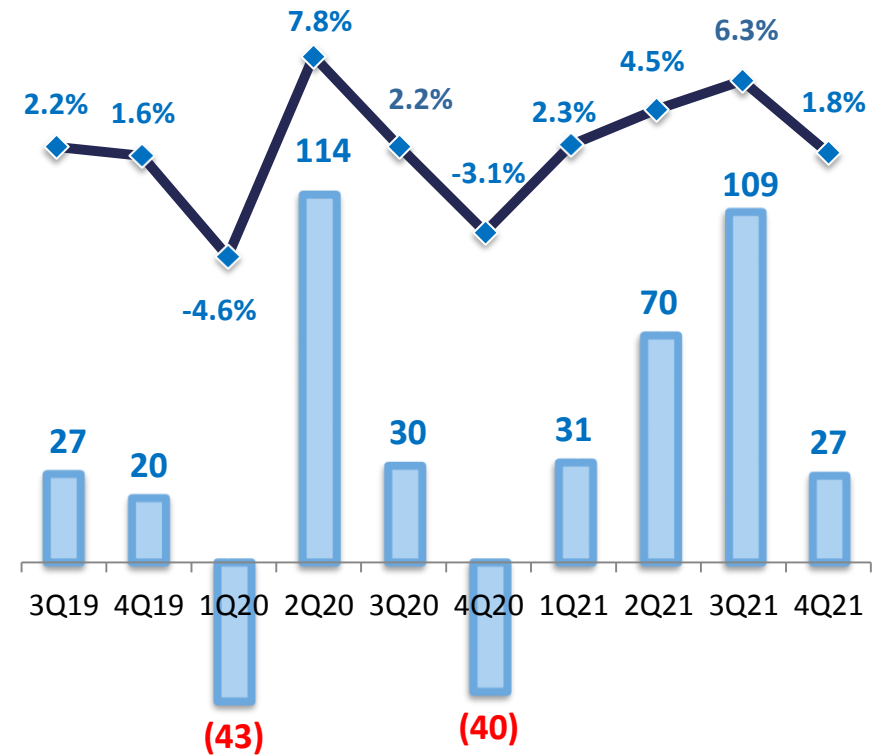
Gross Profit and Operating Profit

Gross Margin %



Gross Profit NT\$ million

Operating Margin %



Operating Profit NT\$ million



2021 Income Statement

NT\$ million	2021	2020	YoY%
Revenue	6,164.7	5,008.4	23.0
Gross Profit	1,155.7	899.6	28.0
Operating Expenses	(912.3)	(836.9)	(9.0)
Operating Profit(loss)	243.3	62.7	288.0
Foreign exchange gain/(loss)	6.9	18.3	(62.0)
Non Operating Income/(Loss)	45.0	35.1	28.0
Income Before Tax	295.2	116.1	154.0
Taxes	(42.8)	(23.4)	(83.0)
Non-controlling Interests	(12.2)	4.3	(384.0)
Net Income to Parent	240.2	97.0	148.0
EPS (NT\$)	3.28	1.39	136.0

Key Financial Ratios (%)

Gross Margin	18.7	18.0
Operating Expense Ratio	(14.8)	(16.7)
Operating Margin(loss)	3.9	1.3
Net Margin to Parent	3.9	1.9

Other Information

Effective Tax Rate (%)	(14.5)	(20.2)
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2021 Balance Sheet

NT\$ million	2021	%	2020	%	3Q21	%
TOTAL ASSETS	5,760.1	100	5,659.0	100	5,866.0	100
Cash	356.3	6	750.9	13	342.2	13
NR & AR	1,769.6	31	1,358.3	24	1,879.7	20
Inventory	1,481.2	26	1,164.8	21	1,406.0	19
Property, plant and equipment	1,558.0	27	1,651.5	29	1,616.6	29
TOTAL LIABILITIES	2,798.3	49	3,015.6	53	2,997.3	50
Bank Loans	1,026.7	18	1,047.0	19	1,076.8	26
NP & AP	636.4	11	539.8	10	677.7	7
Other Payables	682.7	12	671.2	12	719.1	10
Bonds Payable	63.4	1	575.6	10	141.5	5
TOTAL EQUITY TO PARENT	2,918.5	51	2,594.2	46	2,814.2	43
Capital	766.7	13	696.8	12	742.4	12

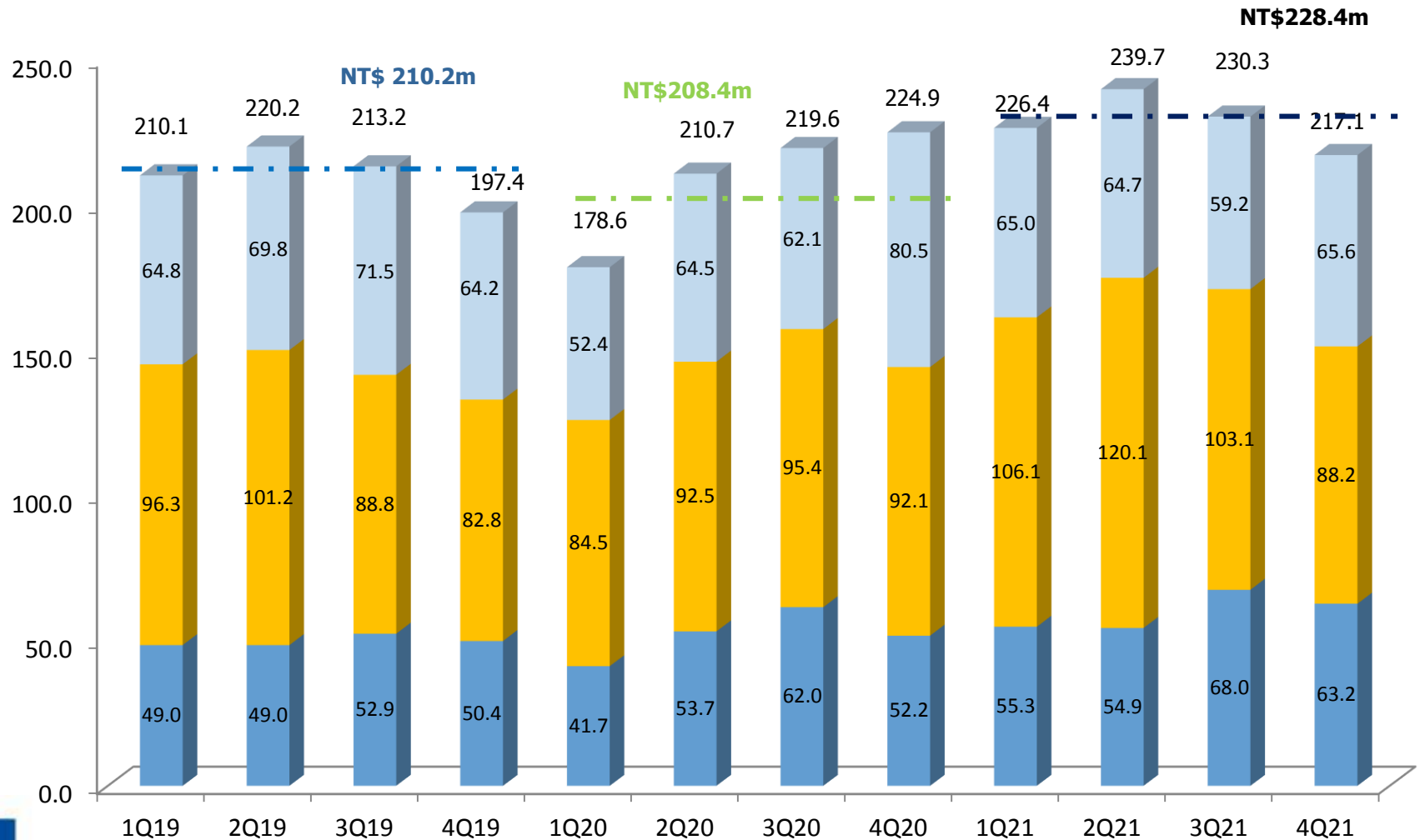
Key Financial Ratios (%)

Current Ratio	135	136	119
Debt Ratio	49	53	51
Book Value (NT\$/share)	38	37	38

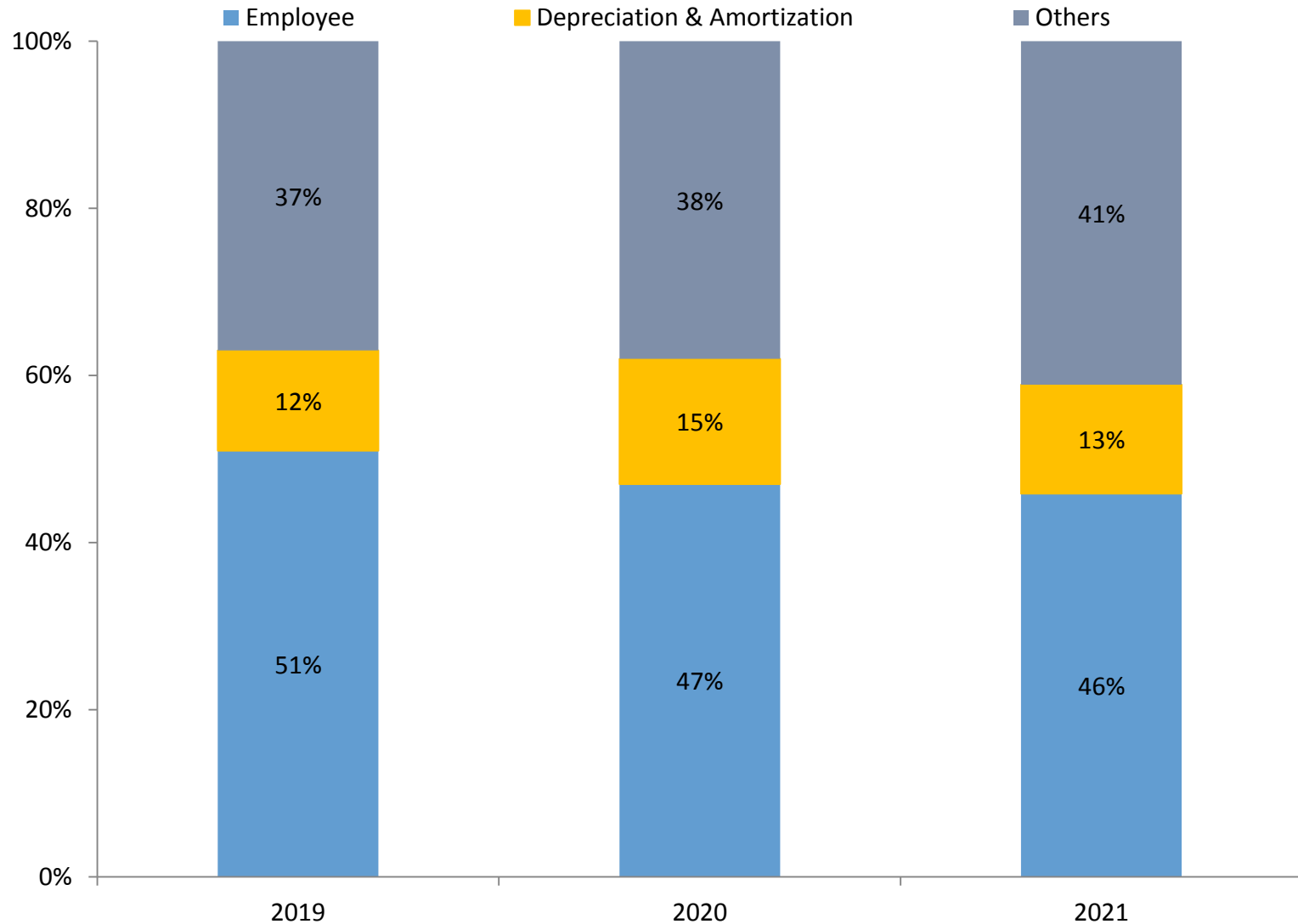
Operating Expenses by Function

NT\$ million

■ Selling ■ G&A ■ R&D



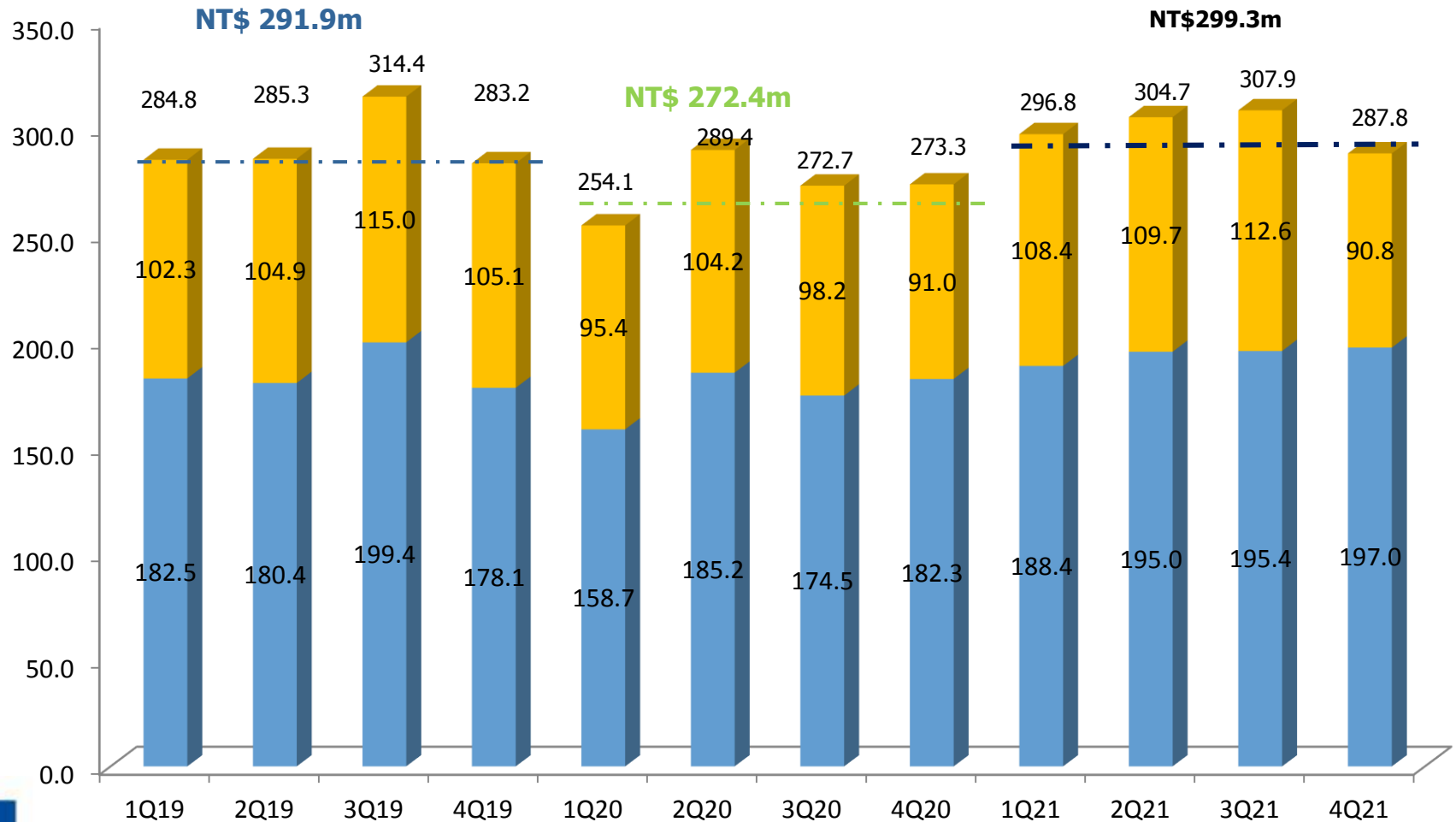
Operating Expenses Structure



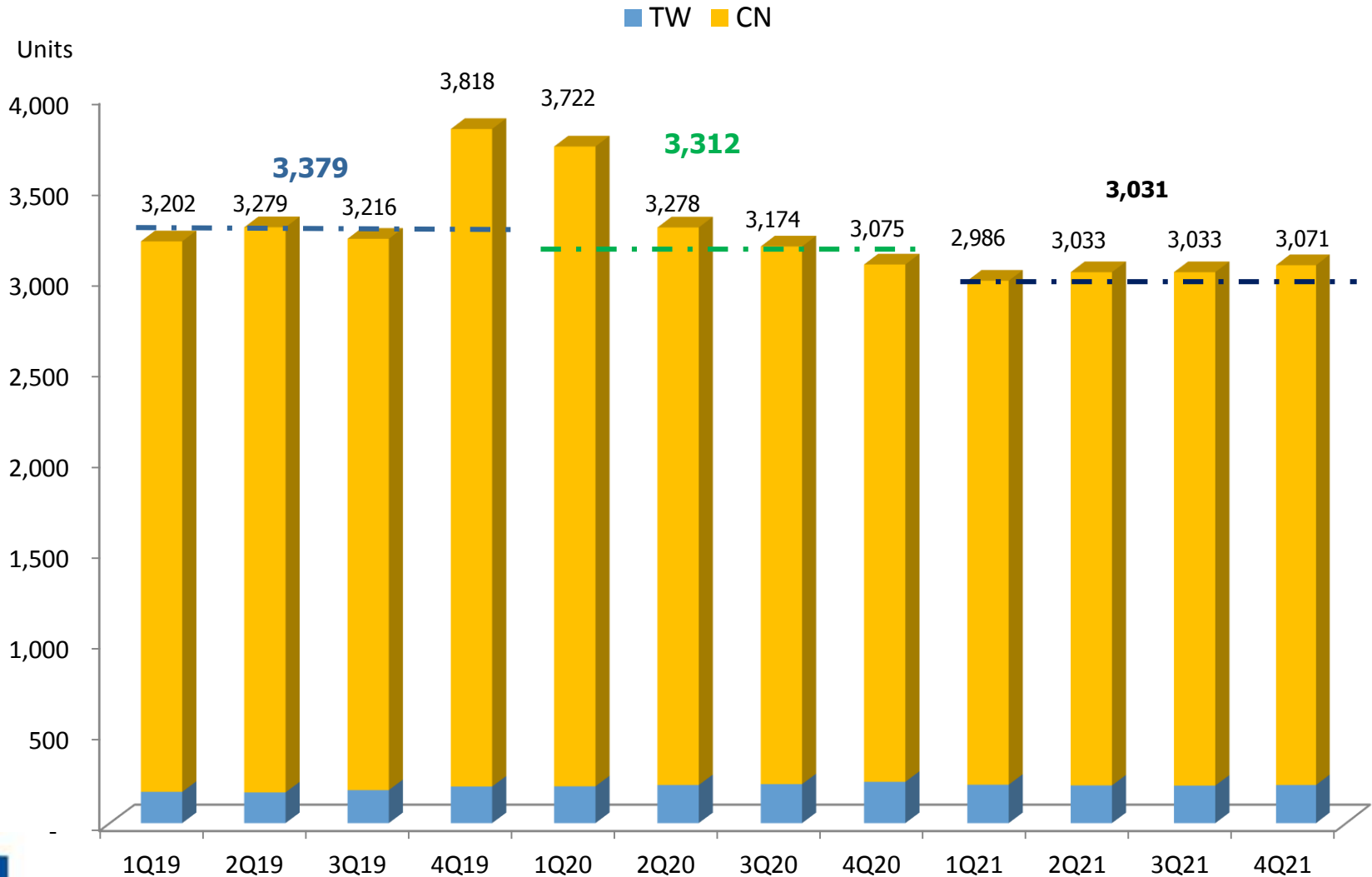
Manpower Costs & Expenses

NT\$ million

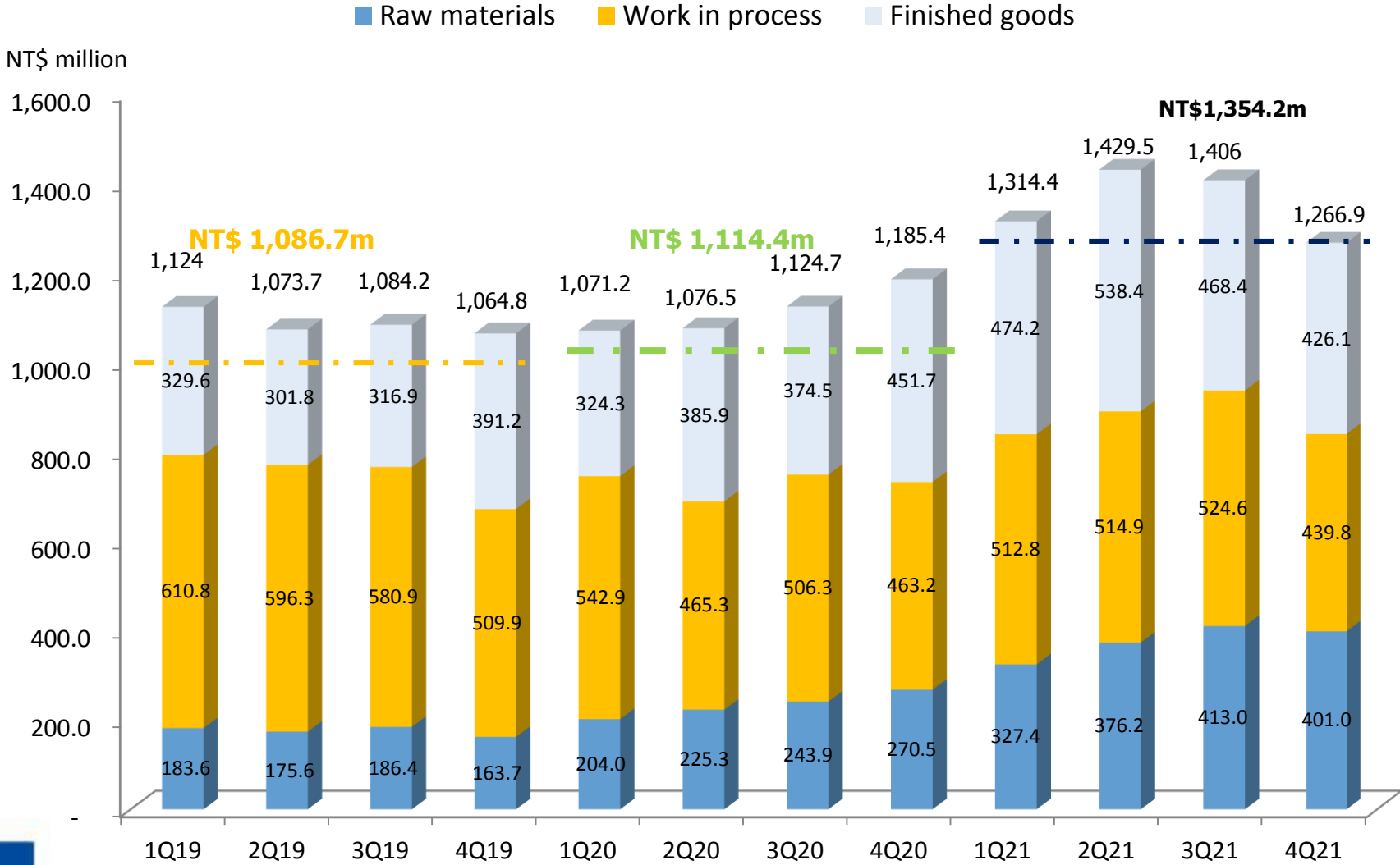
■ Operating cost ■ Operating expenses



Manpower by location



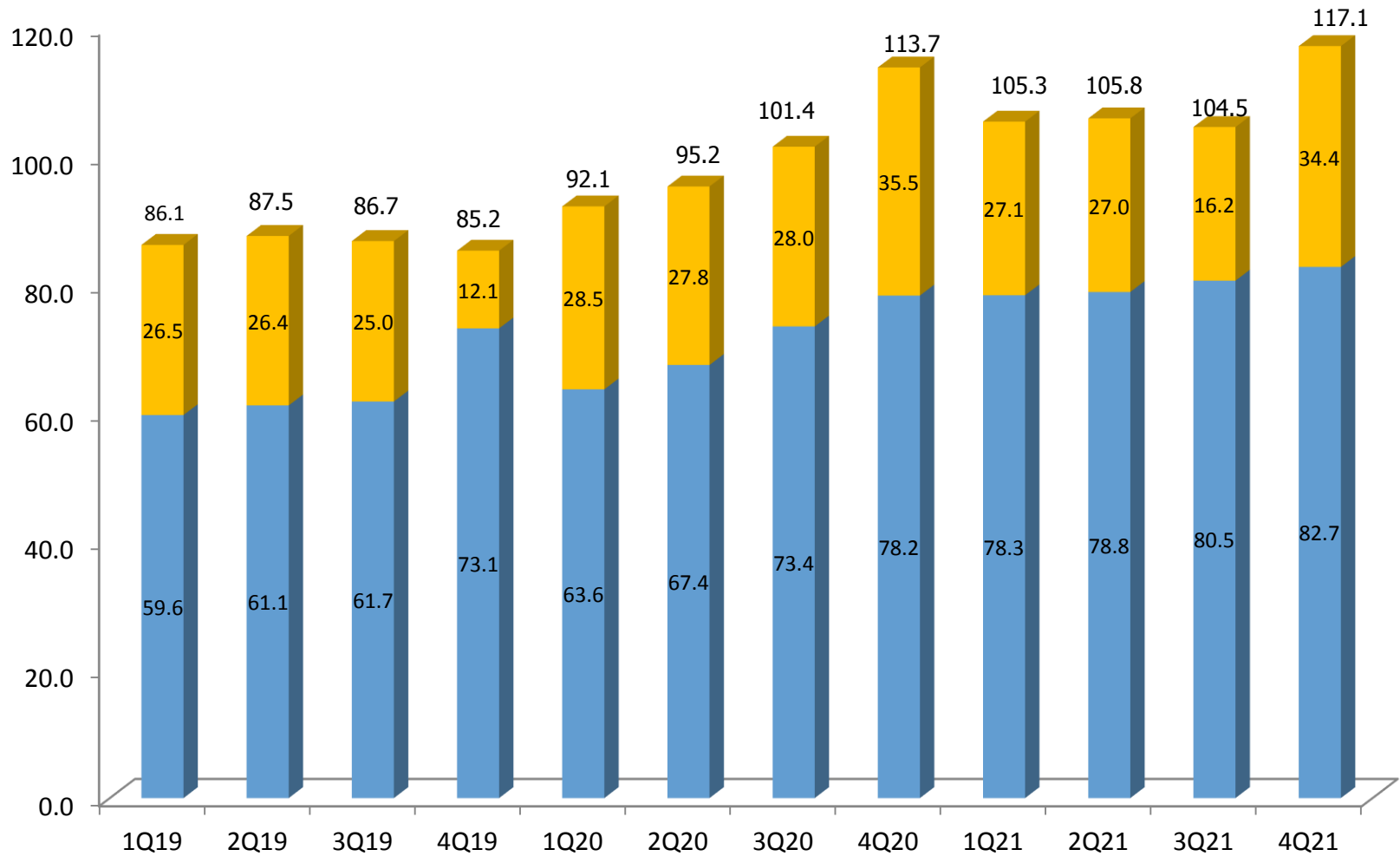
Inventory



Depreciation & Amortization

NT\$ million

■ Operating costs ■ Operating expenses



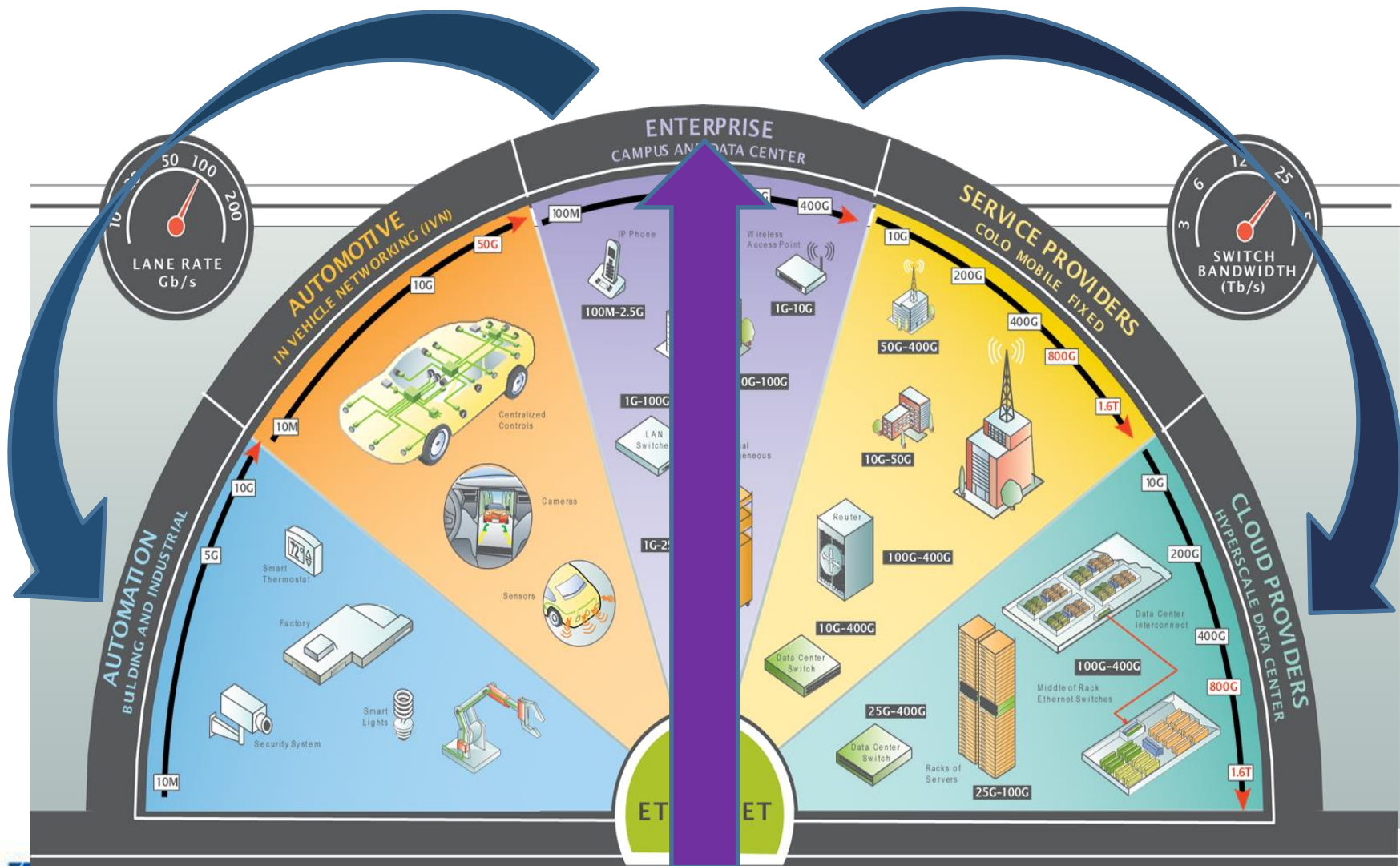


Market Outlook

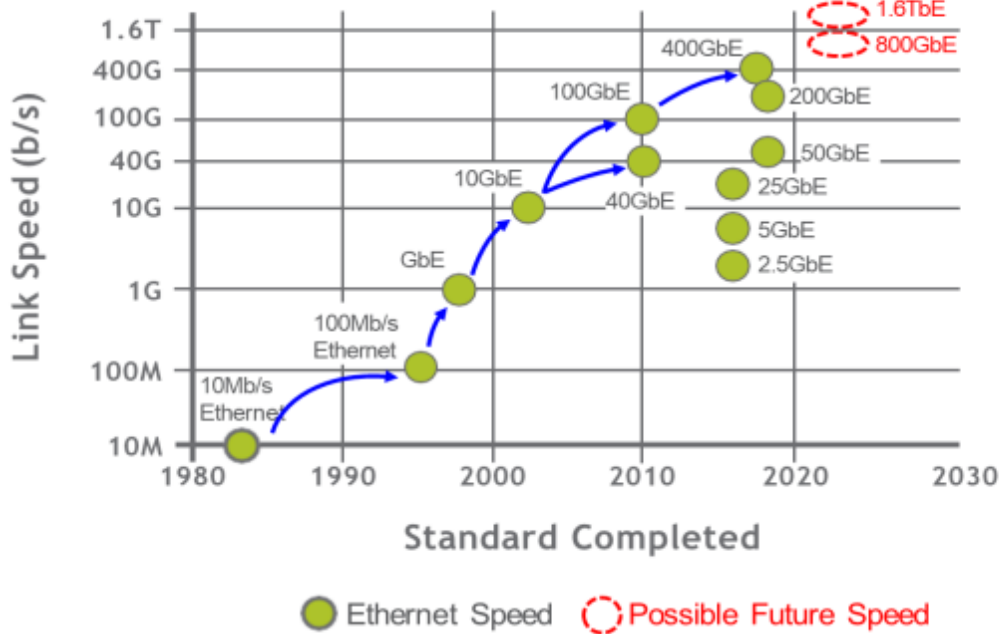
Ethernet Provider! Solution!



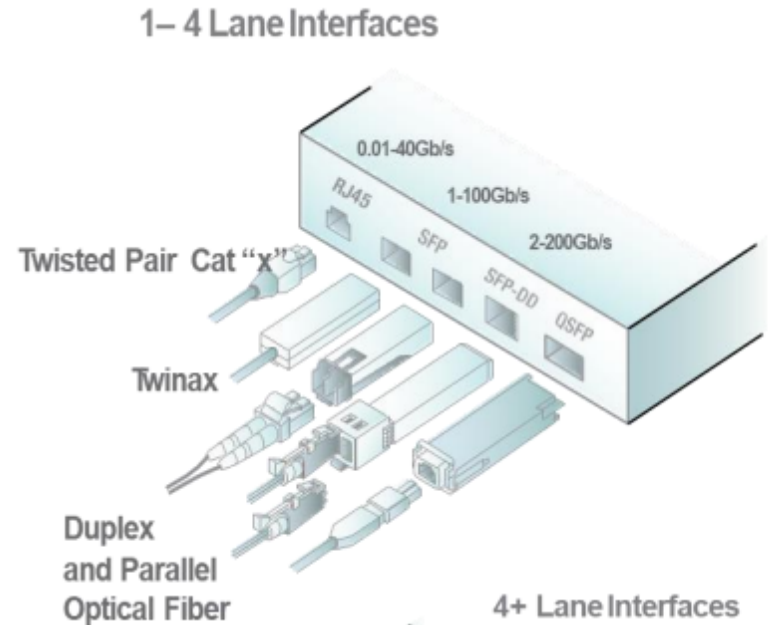
Ethernet Applications



Ethernet Speeds



Form Factors

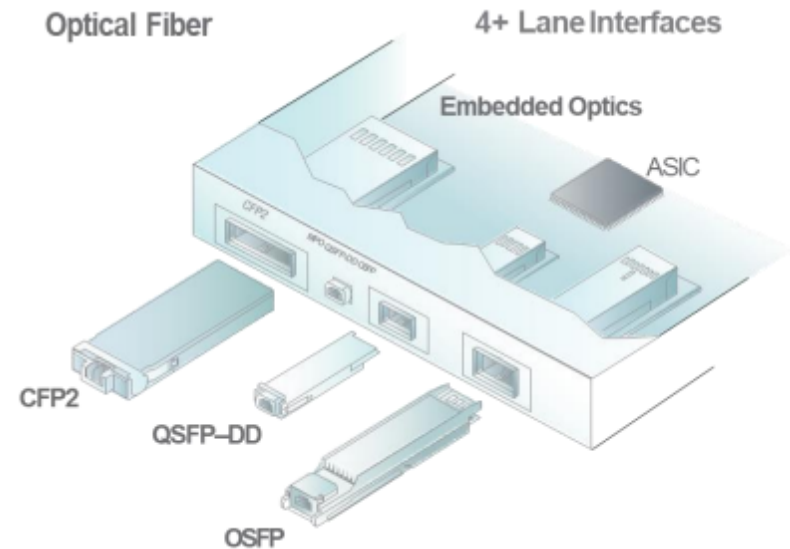


PoE

PoE Types and Classes	2-Pair PoE+ – Type 2					4-Pair PoE in Standardization			
	2-Pair PoE – Type 1								
Class	0	1	2	3	4	5	6	7	8
PSE Power (W)	15.4	4	7	15.4	30	45	60	75	90
PD Power (W)	13	3.84	6.49	13	25.5	40	51	62	71.3

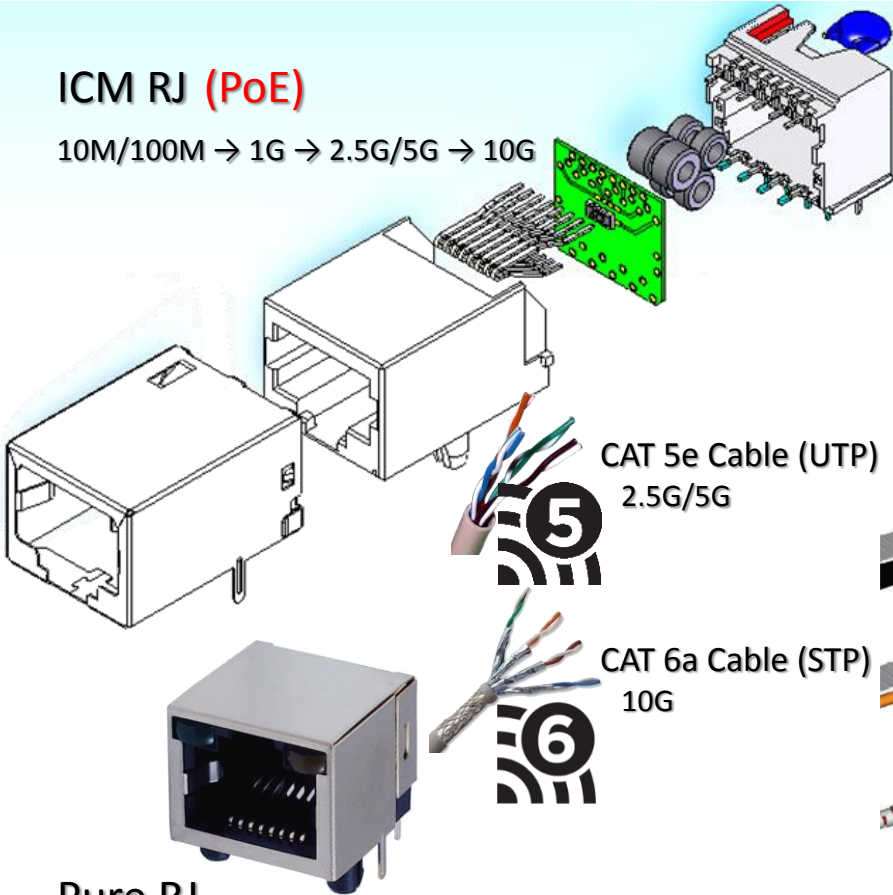
4-Pair PoE-Type 3

4-Pair PoE Type 4



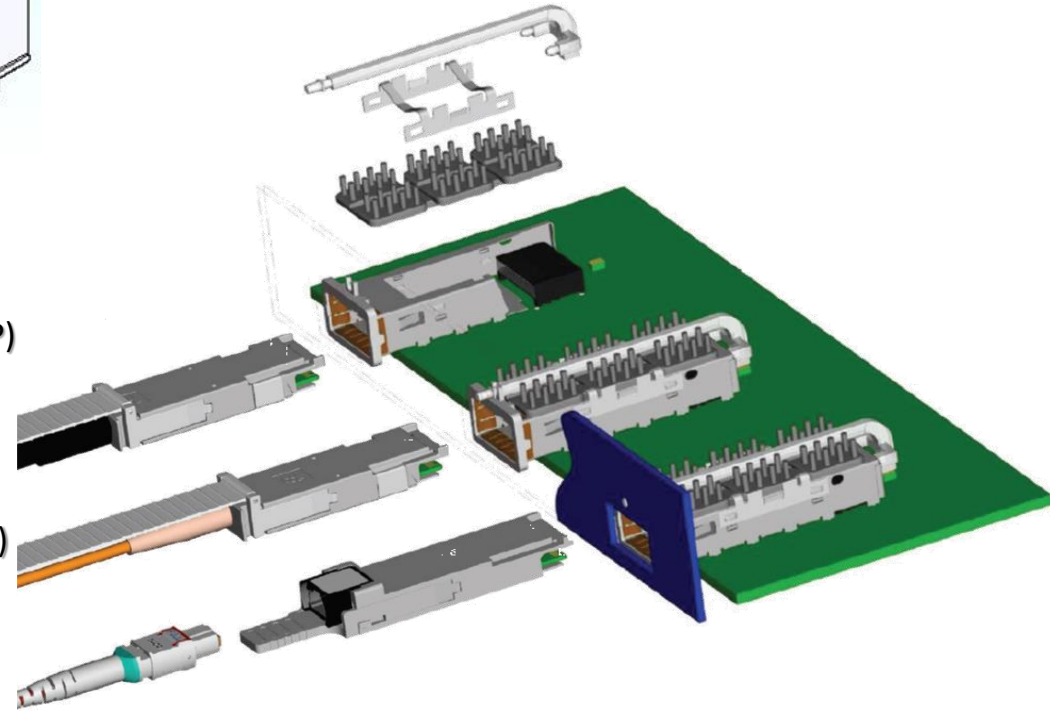
ICM RJ (PoE)

10M/100M → 1G → 2.5G/5G → 10G



Pure RJ

10M/100M → 1G → 2.5G/5G → 10G



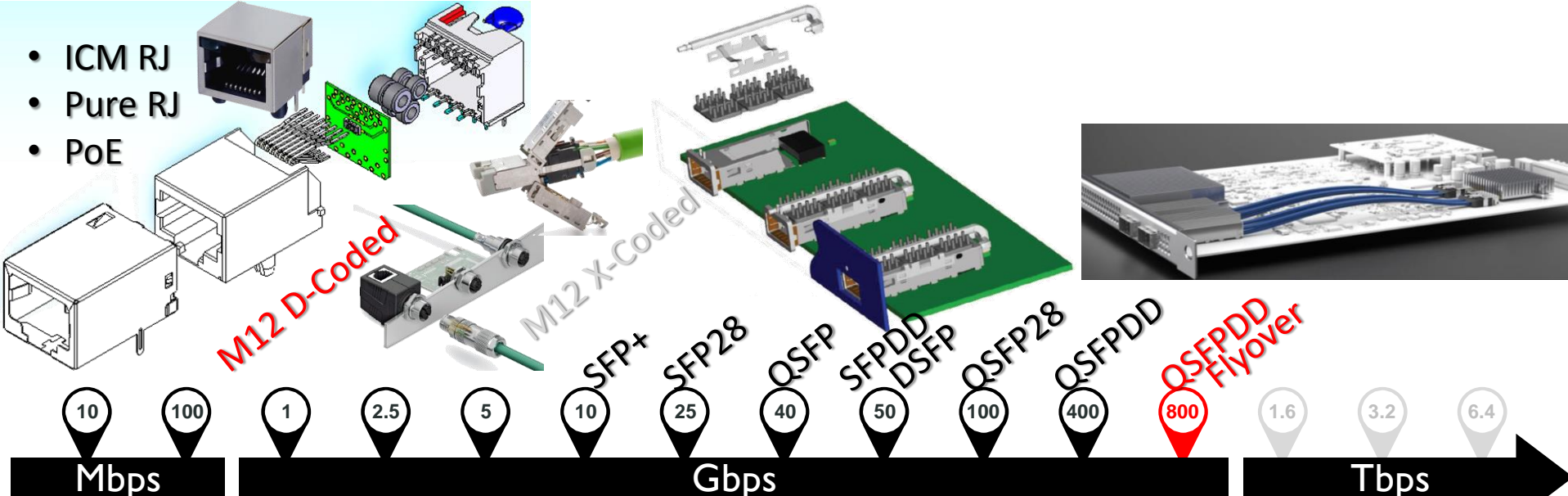
SFF Series (SFP, SFP+, SFP28, QSFP+, SFP DD, QSFP28, QSFP DD, OSFP)

1G → 10G → 25G → 40G → 50G → 100G → 200G → 400G → 800G

SFF Product Series

Series	Speed	Connector / Cage	Cable
SFP	1G	√	√
SFP+	10G	√	√
SFP 28	25G	√	√
QSFP+	40G	√	√
QSFP 28	100G	√	√
QSFP 112	400G	√	
QSFP-DD	400G	√	
QSFP-DD 112	800G	√	
QSFP-DD Flyover	800G	√	

- ICM RJ
- Pure RJ
- PoE



Network-related images and logos:

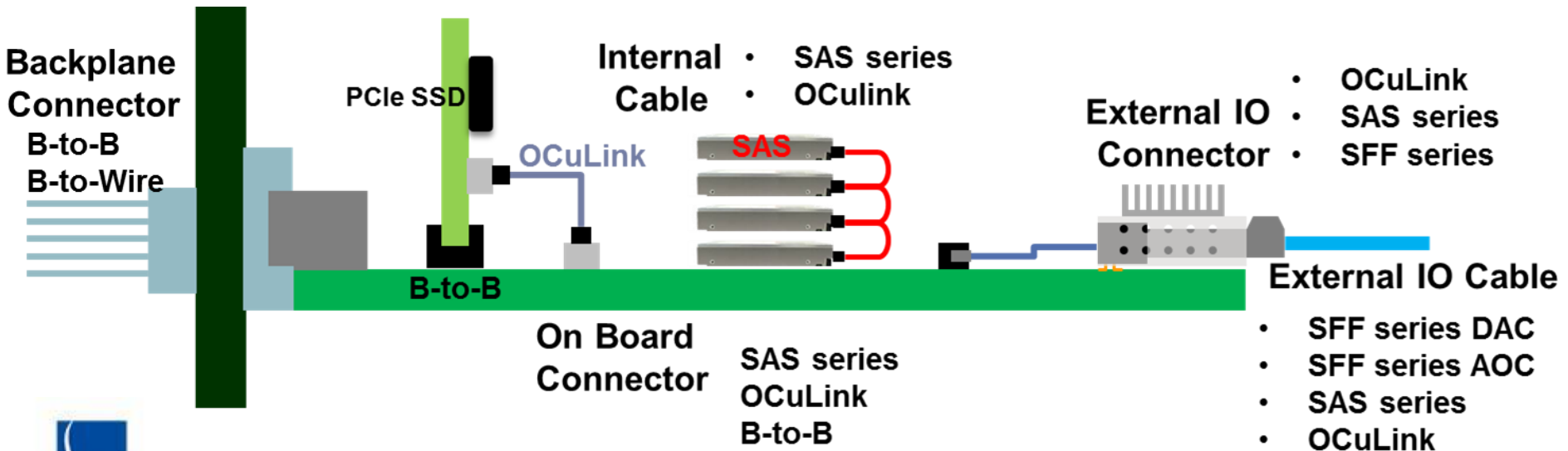
- WiFi 4, 5, 6 logos
- 5G antenna
- EDGE COMPUTING logo
- Server racks
- PoE switch
- PoE injector
- PoE extender
- PoE patch panel

Product Roadmap

1. 板端 : I/O Connector
2. 外線 : External I/O Cable
3. 板內 : Internal Connector
4. 內線 : Internal Cable

Long Term Planning

Back	Connector		Cable Assembly	
	External IO	On Board	External	Internal
SFF Series	●		●	
SAS Series	●	●	●	●
OCuLink	●	●	●	●
Fly-Over	●	●		●
B-2-B		●		
Backplane Connector		●		●



Thank
You

