> 環宇


## Q2 2019 Quarterly Online Investor Conference （線上法說會）

Aug 14， 2019

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## Agenda

Opening:
Brian Ann, CEO \& President
Financial Section:
Grace Li, Director \& Special Assistant to CEO
Market Overview:
Simon Yu, Senior VP and General Manager, Worldwide Sales \& Marketing and Component Business

Q\&A: All

## FINANCIAL SECTION

## Statements of Comprehensive Income - QoQ

| (in NT\$ thousands except EPS) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2Q19 | 1Q19 | 2Q18 | $\begin{gathered} \text { 2Q19 } \\ \text { Over } \\ \text { 1Q19 } \\ \hline \end{gathered}$ | $\begin{array}{r} 2 \mathrm{Q} 19 \\ \text { Over } \\ \text { 2Q18 } \\ \hline \end{array}$ |
| Net Operating Revenue | 465,346 | 377,909 | 522,665 | 23.1\% | -11.0\% |
| Gross Profit | 239,073 | 136,060 | 256,217 | 75.7\% | -6.7\% |
| Gross Margin | 51.4\% | 36.0\% | 49.0\% |  |  |
| Operating Expenses | $(129,466)$ | $(122,480)$ | $(135,480)$ | 5.7\% | -4.4\% |
| Operating Expenses to Revenue \% | 27.8\% | 32.4\% | 25.9\% |  |  |
| Operating Income | 109,607 | 13,580 | 120,737 | 707.1\% | -9.2\% |
| Operating Margin | 23.6\% | 3.6\% | 23.1\% |  |  |
| Non-operating Items | 5,408 | 3,713 | 3,054 | 45.7\% | 77.1\% |
| Income before Income Tax | 115,015 | 17,293 | 123,791 | 565.1\% | -7.1\% |
| Income Tax | $(28,377)$ | $(4,300)$ | $(31,309)$ | 559.9\% | -9.4\% |
| Net Income | 86,638 ${ }^{\text {² }}$ | 12,993 | 92,482 | 566.8\% | -6.3\% |
| Net Income Attributable to owners of the Parent | 88,189 | 14,742 | 92,482 |  |  |
| Net Profit Margin | 18.6\% | 3.9\% | 17.7\% |  |  |
| Basic EPS (NTD) | 1.00 | 0.17 | 1.16 |  |  |
| Diluted EPS (NTD) | 0.99 | 0.17 | 1.15 |  |  |
| R\&D Expense \% to Revenue | 9.8\% | 11.8\% | 9.4\% |  |  |

Note $1: 88,501$ thousand shares and 89,169 thousand shares were used in basic EPS and diluted EPS calculation for 2Q19 respectively.
Note 2. Revenue supplemental information

Revenue in US\$ thousand
Exchange Rate

| 2Q19 | 1Q19 | 2Q18 | 2Q19 | 2Q19 |
| :---: | :---: | :---: | :---: | :---: |
|  |  |  | Over | Over |
|  |  |  | 1Q19 | 2Q18 |
| 14,961 | 12,258 | 17,561 | 22.05\% | -14.8\% |
| 30.98 | 30.83 | 29.54 |  |  |

## Revenue Mix \% vs Gross Margin - QoQ



## KGD Revenue Mix - QoQ

KGD Revenue Analysis-By Application


## Non-operating Income and Expenses- QoQ

(in NT\$ thousands)

|  | 2Q19 | 1Q19 | 2Q18 | $\begin{gathered} \text { 2Q19 } \\ \text { Over } \\ \text { 1Q19 } \\ \hline \end{gathered}$ | $\begin{array}{r} 2 \mathrm{Q} 19 \\ \text { Over } \\ \text { 2Q18 } \\ \hline \end{array}$ |
| :---: | :---: | :---: | :---: | :---: | :---: |
| Other Income | 7,103 | 5,204 | 2,060 | 36.5\% | 244.8\% |
| Other Gains and Losses |  |  |  |  |  |
| Gain (loss) on disposal of property, plant \& equipment | (637) | - | - | - | - |
| Net currency exchange gain or (loss) | 757 | (109) | 1,833 | -794.5\% | -58.7\% |
| Others | (528) | - | 11 | - | -4900.0\% |
| Finance Cost |  |  |  |  |  |
| Interest expense for convertible bonds (Note) | - | - | (124) | - | -100.0\% |
| Other interest expense | $(1,287)$ | $(1,382)$ | $(1,004)$ | -6.9\% | 28.2\% |
| Share of profit (loss) of equity-accounted investees | - | - | 278 | - | -100.0\% |
| Total Non-operating Income and Expenses | 5,408 | 3,713 | 3,054 | 45.7\% | 77.1\% |

Note: Amortization of discount on convertible bonds

## Statements of Comprehensive Income - YoY

| (in NT\$ thousands except EPS) |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: |
|  | $\begin{gathered} 2019 \\ \text { Jan to June } \end{gathered}$ | \% | $\begin{gathered} 2018 \\ \text { Jan to June } \end{gathered}$ | \% | Change (\%) |
| Net Operating Revenue | 843,255 | 100.0\% | 1,001,685 | 100.0\% | -15.8\% |
| Operating Cost | $(468,122)$ | -55.5\% | $(531,164)$ | -53.0\% | -11.9\% |
| Gross Profit | 375,133 ${ }^{\text { }}$ | 44.5\% | 470,521 | 47.0\% | -20.3\% |
| Operating Expenses | $(251,946)$ | -29.9\% | $(259,881)$ | -25.9\% | -3.1\% |
| Operating Income | 123,187 ${ }^{\circ}$ | 14.6\% | 210,640 | 21.0\% | -41.5\% |
| Non-operating items | 9,121 | 1.1\% | 1,296 | 0.1\% | 603.8\% |
| Income before Income Tax | 132,308 ${ }^{*}$ | 15.7\% | 211,936 | 21.2\% | -37.6\% |
| Income Tax | $(32,677)$ | -3.9\% | $(35,799)$ | -3.6\% | -8.7\% |
| Net Income | 99,631 ${ }^{\text {² }}$ | 11.8\% | 176,137 | 17.6\% | -43.4\% |
| Net Income Attributable to owners of the Parent | 102,931 | 12.2\% | 176,137 | 17.6\% | -41.6\% |
| Basic EPS (NTD) | 1.18 |  | 2.22 |  |  |
| Diluted EPS (NTD) | 1.17 |  | 2.20 |  |  |
| Average Exchange Rate-USD/NTD | 30.98 |  | 29.54 |  |  |
| R\&D expense \% to Revenue | 10.67\% |  | 9.08\% |  |  |
| ROA (\%) | 5.54\% |  | 11.49\% |  |  |
| ROE (\%) | 6.16\% |  | 13.17\% |  |  |

Note 1:87,295 thousand shares and 88,113 thousand shares were used in basic EPS and diluted EPS calculation for 1H19, respectively.
Note 2. Revenue supplemental information

Revenue in US\$ thousand

| Jan to Jun/2019 | Jan to Jun/2018 | Change (\%) |
| ---: | ---: | ---: |
| 27,219 | 33,909 | $-19.7 \%$ |
| 30.98 | 29.54 |  |

## Non-operating Income and Expenses- YoY

(in NT\$ thousands)

|  | $2019$ <br> Jan to June | $2018$ <br> Jan to June | Change (\%) |
| :---: | :---: | :---: | :---: |
| Other Income | 12,307 | 3,756 | 227.7\% |
| Other Gains and Losses |  |  |  |
| Gain (loss) on disposal of property, plant \& equipment | (637) | - |  |
| Net Gain or (losses) on financial liabilities at fair value through profit or loss | - | 2,322 | -100.0\% |
| Net currency exchange gain or (loss) | 648 | (748) | -186.6\% |
| Other loss | (528) | (998) | -47.1\% |
| Finance Cost |  |  |  |
| Interest expense for convertible bonds (Note) | - | (870) | -100.0\% |
| Other interest expense | $(2,669)$ | $(2,175)$ | 22.7\% |
| Share of profit (loss) of equity-accounted investees | - | 9 | -100.0\% |
| Total Non-operating Income and Expenses | 9,121 | 1,296 | 603.8\% |

Note: Amortization of discount on convertible bonds

## Balance Sheet Highlight \& Key Indices

## Selected Items from Balance Sheet (in NT\$ thousands)

|  | 2Q19 |  | 1Q19 |  | 2Q18 |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | Amount | \% | Amount | \% | Amount | \% |
| Cash and Cash Equivalent | 1,771,104 | 45\% | 1,709,872 | 45\% | 1,365,587 | 42\% |
| Accounts Receivable and Notes Receivable | 291,301 | 8\% | 272,740 | 7\% | 256,702 | 8\% |
| Inventory | 368,755 | 9\% | 340,801 | 9\% | 350,986 | 11\% |
| Financial assets at fair value through other comprehensive income - non current | 165,278 | 4\% | 164,000 | 4\% | - | 0\% |
| Investments accounted for under the Equity Method | - | 0\% | - | 0\% | 14,620 | 0\% |
| Net Property, Plant and Equipment | 742,591 | 19\% | 744,473 | 19\% | 688,444 | 21\% |
| Intangible Assets | 204,745 | 5\% | 187,268 | 5\% | 183,026 | 6\% |
| Deferred Tax Assets | 170,893 | 5\% | 169,676 | 5\% | 146,946 | 5\% |
| Total Assets | 3,937,172 | 100\% | 3,834,670 | 100\% | 3,240,866 | 100\% |
| Short Term Loan | 20,000 | 1\% | 20,000 | 1\% | 20,000 | 1\% |
| Accounts Payable and Other Payables | 260,435 | 7\% | 163,812 | 5\% | 250,158 | 8\% |
| Long Term Bank Borrowings - Current Portion | 21,469 | 1\% | 21,089 | 1\% | 20,224 | 1\% |
| Long Term Bank Loans | 47,210 | 1\% | 52,255 | 2\% | 67,352 | 2\% |
| Deferred Tax Liabilities | 84,838 | $2 \%$ | 84,182 | 2\% | 37,929 | 1\% |
| Total Liabilities | 483,593 | 12\% | 401,404 | 10\% | 428,416 | 13\% |
| Total Stockholders' Equity | 3,453,579 | 88\% | 3,433,266 | 90\% | 2,812,450 | 87\% |

## Key Indices

| Current Ratio | $780 \%$ | $1033 \%$ | $660 \%$ |
| :--- | ---: | ---: | ---: |
| Debt Ratio | $12 \%$ | $10 \%$ | $13 \%$ |
| AR Turnover Days | 55 | 59 | 51 |
| Inventory Turnover Days | 161 | 152 | 144 |

## Cash Flows

(in NT\$ thousands)

## Beginning Balance

Cash from Operating Activities
Acquisition of financial assets at fair value through other comprehensive income
Acquisition of property, plant and equipment
Acquisition of intangible assets
Proceeds from Short-term Loan
Repayments of Short-term loans
Principal elements of lease payments
Repayments of long-term loans
Repayments of Convertible Bonds
Employee Option Exercise
Cash capital increase- issuance of Global Depositary Shares
The effect of exchange rate changes
Others
Ending Balance
Increase (Decrease) in Cash
Free Cash Flow (Note)

| 2 Q 19 | 1 Q 19 |  | 2 Q 18 |
| :---: | :---: | :---: | :---: |
| $1,709,872$ | $1,512,863$ |  | $1,215,937$ |
| 89,146 |  | $(7,724)$ |  |
| - |  | 141,563 |  |
| $(28,682)$ | $(22,000)$ |  | - |
| $(3,573)$ | $(2,184)$ | $(43,185)$ |  |
| - | 20,000 | $(1,004)$ |  |
| - | $(20,300)$ | - |  |
| $(3,997)$ | $(4,591)$ | - |  |
| $(4,829)$ | $(5,154)$ | - |  |
| - | - | $(4,822)$ |  |
| - | 558 | $(2,800)$ |  |
| - |  | 590,555 | 5,670 |
| 13,523 | 12,296 | - |  |
| $(356)$ | $(238)$ | 54,098 |  |
| $1,771,104$ | $1,709,872$ | $1,365,587$ |  |
| 61,232 | 197,009 | 149,650 |  |
| 60,464 | $(29,933)$ | 98,378 |  |

Note: Free Cash Flow = Cash from Operating Activities - Capital Expenditures

## MARKET OVERVIEW

## Global Optical Market

* 2019 wired broadband users - 1.1B
* 2019 LTE Mobile broadband users - 4.7B
* March 2019, 85 countries 204 operators will invest 5G network
* March 2019, 36 operators have installed 3GPP 5G technologies
* 100GbE continues to grow with 400GbE initial volume deployment
* OFC2019 - 400G (DR1, DR4, FR4) ( $\rightarrow$ 600G) and 5G
* Consolidation continues (who is next target?)
* Operators CAPEX is expected to rebound with 3 in China grow by 5.58\% (compared to 2018)


## Optical Components Market

Optical Components from the long view perspective: a good run

- Components has doubled since the 200809 dip
- 9 year CAGR is $9.0 \%$
- Outpacing:
- SPSR systems $4.1 \%$
- ON systems 0.6\%
- More to come from the data center construction efforts
- 5 G is next in due course

Optical Components Quarterly and Annualized Revenue \$bn


Optical components: 15 year growth run - CAGR +10\% and more to come

## 5G Mobile

5 G mobile subs will surpass a billion in 2023, but still remain a small percent of all mobile broadband subs


## Simon＇s Favorite

產業科技國際策略發展所

## Ooredoo展示5G無人空中計程車

－卡達的Ooredoo電信於2018年率先在全球推出第一個5G商用網路，用於家用 CPE，使用3．5GHz頻段，並於2018．9展示無人空中計程車（使用700MHz）

- 5G網路可避免密集無人計程車發生碰撞，可運用在貨物運送與緊急醫療救護
- 卡達的電信商不須支付頻譜費用，但是必須保證網路覆蓋率，部署成本降低

hamatrondoy


## Data Center

- Combined spending of the top 15 Cloud vendors set a new record of close to $\$ 100$ billion in 2018, but a sharp decline in spending reported in Q1 2019.
- Drop in Q4 2011 and Q4 2015 was due to Google spending cut.
- Drop in Q12019 - much broad based, Out of the top 15 Cloud companies 9 reported declines in spending including Alibaba, Apple, Microsoft and Tencent.
- The Cloud companies accounted for more than $30 \%$ of the global optical transceiver market in 2018



LightCounting认为，应用于数据中心的 400 GbE 出货走势将重复 100 GbE 的走势 （ 100 GbE 在博通首款 $32 * 100 \mathrm{G}$ Tomahawk交换芯片出样后的两年即2016年开始攀升） 2017年12月， $32 * 400 \mathrm{G}$ Tomahawk ASIC开始出样，因此LightCounting预计 400 GbE 的批量出货将始于2019年12月，并在2020年需求大增。

Q \& A


For further inquiry investors@gcsincorp.com


