

股票代號 6756

威鋒電子股份有限公司

法人座談會

2022-11



VIA Labs, Inc.

免責聲明

本簡報包含一些前瞻性陳述，這些陳述可能會帶來重大風險和不確定性。閱讀者應仔細考慮這些前瞻性陳述，因為此類陳述僅是本公司對未來事件的預期或預測，實際結果可能與前瞻性陳述中包含的內容存在重大差異。

本簡報中的前瞻性陳述包括但不限於第三方來源估計的各種市場的增長率，未來產品和技術發展，未來收入增長和盈利能力。本簡報中所提供之資訊，係反應本公司截至目前為止對於未來的看法，並未明示或暗示性地表達或保證其具有正確性、完整性或可靠性。對於這些看法，未來若有變更或調整時，本公司並不負有更新或修正之責任。



簡報大綱

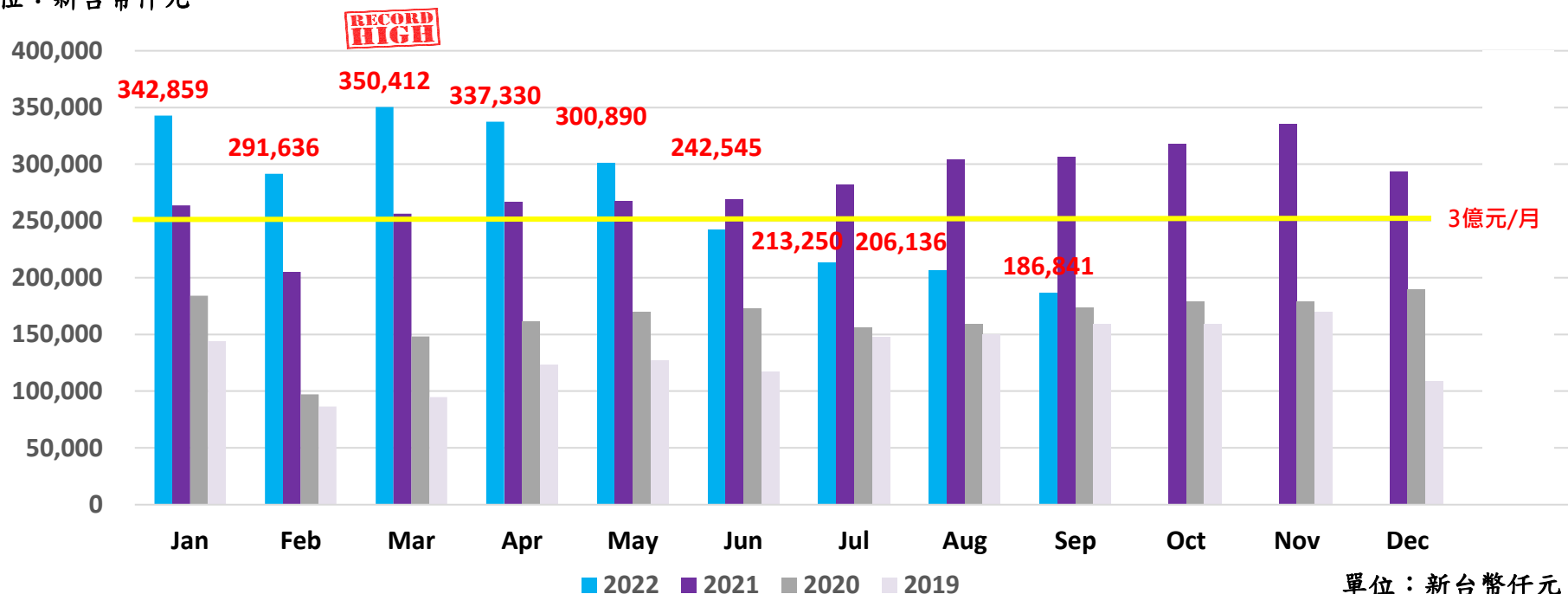
- 營運實績
- 市場概況與新品簡介



營運實績

Y2019 – 2022.9 營業收入

單位：新台幣仟元

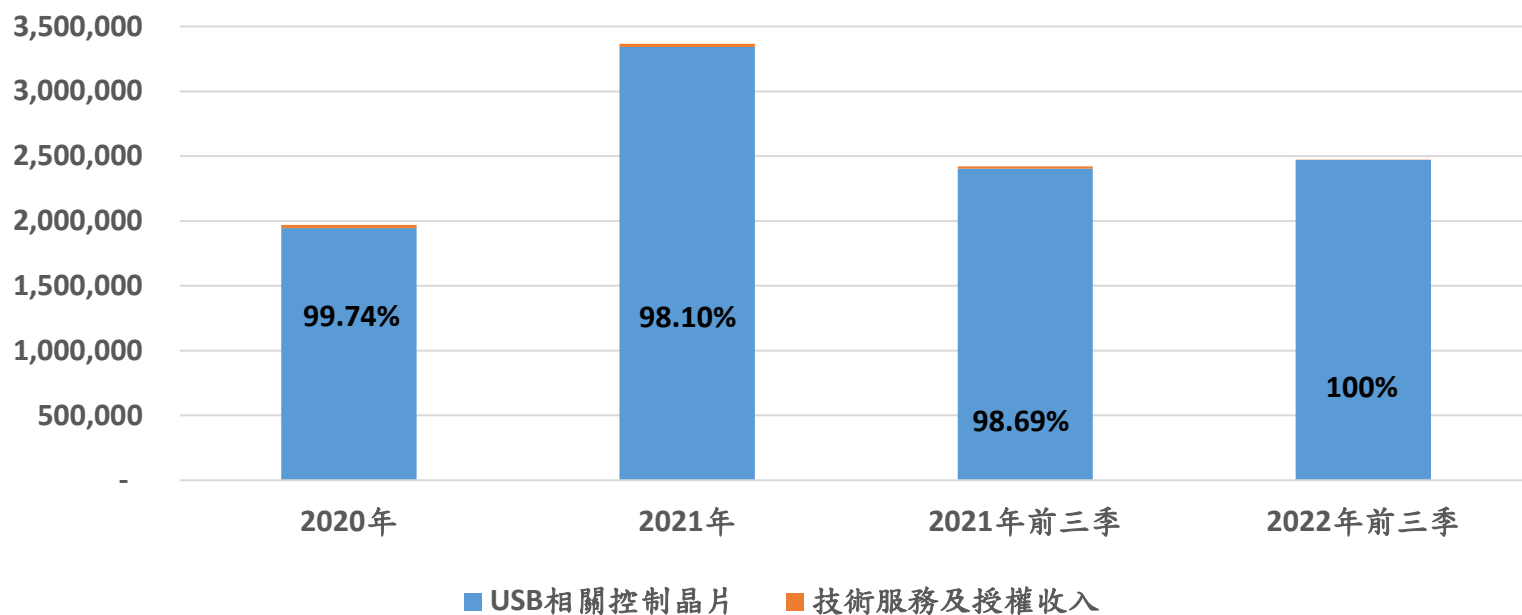


年度	1月	2月	3月	4月	5月	6月	7月	8月	9月	10月	11月	12月	合計
2022	342,859	291,636	350,412	337,330	300,890	242,545	213,250	206,136	186,841				2,471,899
2021	263,761	205,112	256,278	266,771	267,206	268,843	282,310	304,339	306,475	317,881	334,967	293,104	3,367,047
2020	184,116	97,192	148,250	161,667	169,699	172,738	156,231	159,071	173,411	178,631	179,312	189,273	1,969,592
2019	143,956	86,493	94,589	123,637	126,746	116,856	147,696	149,647	158,805	158,638	169,819	108,806	1,585,688
年成長%	30%	42%	37%	26%	13%	-10%	-24%	-32%	-39%				2%
累積成長%	30%	35%	36%	33%	29%	22%	15%	8%	2%				



主要產品營收及比重

單位：新台幣仟元



單位：新台幣仟元；%

類別 \ 年度	2020年		2021年		2021年前三季		2022年前三季	
	金額	%	金額	%	金額	%	金額	%
USB相關控制晶片	1,943,875	98.69	3,342,558	99.27	2,402,737	99.24	2,471,754	99.99
技術服務及授權收入	25,717	1.31	24,489	0.73	18,358	0.76	145	0.01
合計	1,969,592	100	3,367,047	100	2,421,095	100	2,471,899	100

營運現況—2022年第三季合併損益表

單位：新台幣仟元	2022年 第三季	%	2022年 第二季	%	季成長 %	2021年 第三季	%	年成長 %
銷貨淨額	\$ 606,227	100%	\$ 880,765	100%	(31%)	\$ 893,124	100%	(32%)
銷貨成本	<u>291,693</u>	48%	<u>411,886</u>	47%	(29%)	<u>407,913</u>	46%	(28%)
銷貨毛利	314,534	52%	468,879	53%	(33%)	485,211	54%	(35%)
營業費用	<u>209,663</u>	35%	<u>207,065</u>	23%	1%	<u>202,184</u>	22%	4%
營業淨利	104,871	17%	261,814	30%	(60%)	283,027	32%	(63%)
非營業項目	<u>58,976</u>	10%	<u>42,016</u>	5%	40%	<u>5,113</u>	-	1053%
稅前淨利	163,847	27%	303,830	35%	(46%)	288,140	32%	(43%)
所得稅費用	<u>(26,342)</u>	(4%)	<u>(48,730)</u>	(6%)	(46%)	<u>(47,737)</u>	(5%)	(45%)
本期淨利	<u>\$ 137,505</u>	22%	<u>\$ 255,100</u>	29%	(46%)	<u>\$ 240,403</u>	27%	(43%)
每股盈餘(元)	<u>\$ 2.01</u>		<u>\$ 3.72</u>		(46%)	<u>\$ 3.56</u>		(44%)
加權平均股數 (仟股)	68,497		68,478			67,500		



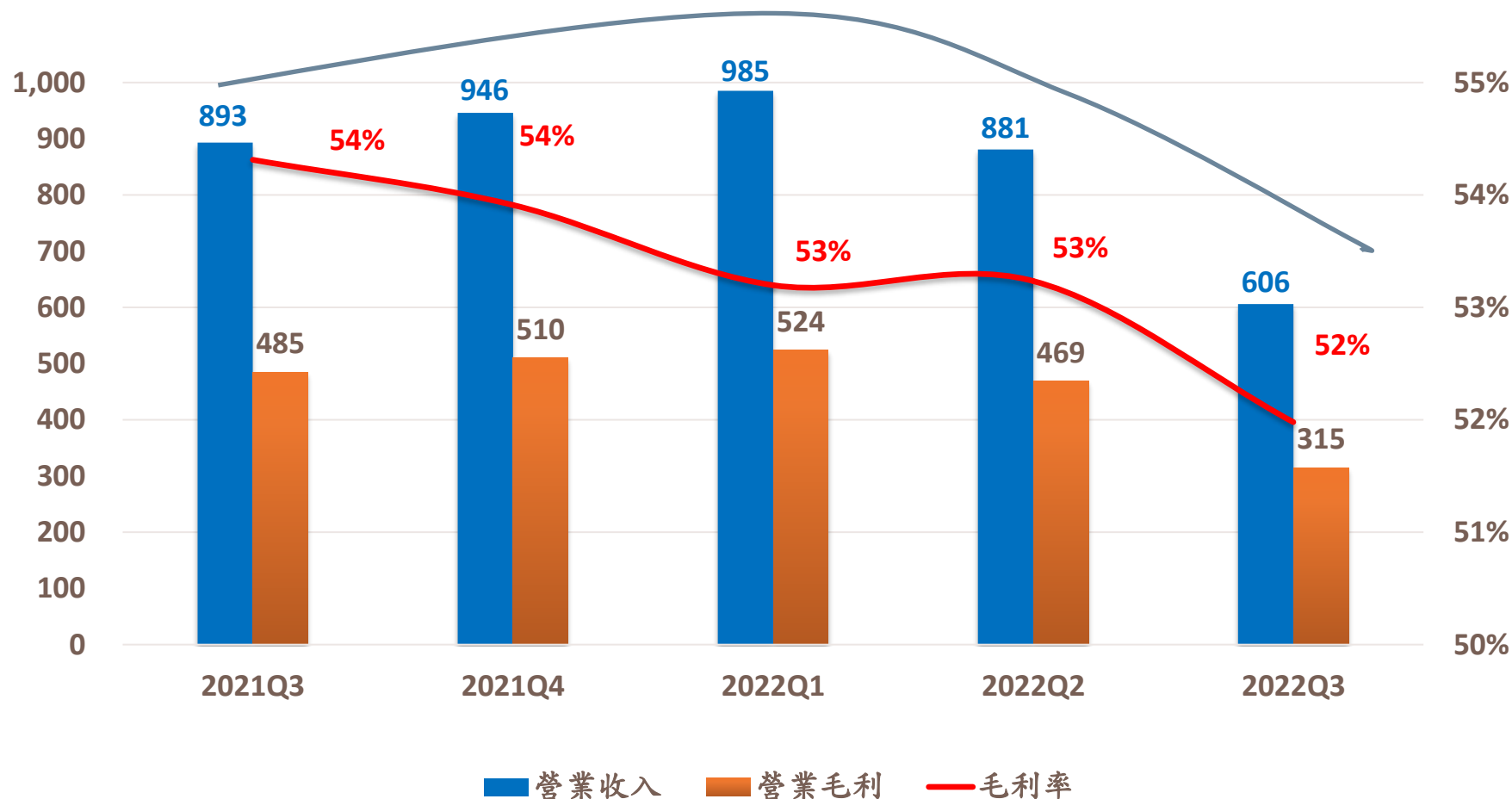
營運現況—2022年前三季合併損益表

單位：新台幣仟元	2022年 Q1-Q3	%	2022年 H1	%	2021年 Q1-Q3	%	年成長%
銷貨淨額	\$ 2,471,899	100%	\$ 1,865,672	100%	\$ 2,421,095	100%	2%
銷貨成本	<u>1,164,721</u>	47%	<u>873,028</u>	47%	<u>1,136,138</u>	47%	3%
銷貨毛利	1,307,178	53%	992,644	53%	1,284,957	53%	2%
營業費用	<u>648,089</u>	26%	<u>438,426</u>	23%	<u>536,728</u>	22%	21%
營業淨利	659,089	27%	<u>554,218</u>	30%	748,229	31%	(12%)
非營業項目	<u>152,707</u>	6%	<u>93,731</u>	5%	<u>(3,354)</u>	-	4653%
稅前淨利	811,796	33%	<u>647,949</u>	35%	744,875	31%	9%
所得稅費用	<u>(130,223)</u>	(6%)	<u>(103,881)</u>	(6%)	<u>(111,932)</u>	(5%)	16%
本期淨利	<u>\$ 681,573</u>	27%	<u>\$ 544,068</u>	29%	<u>\$ 632,943</u>	26%	8%
每股盈餘(元)	<u>\$ 9.96</u>		<u>\$ 7.95</u>		<u>\$ 9.38</u>		6%
加權平均股數 (仟股)	68,497		68,478		67,500		



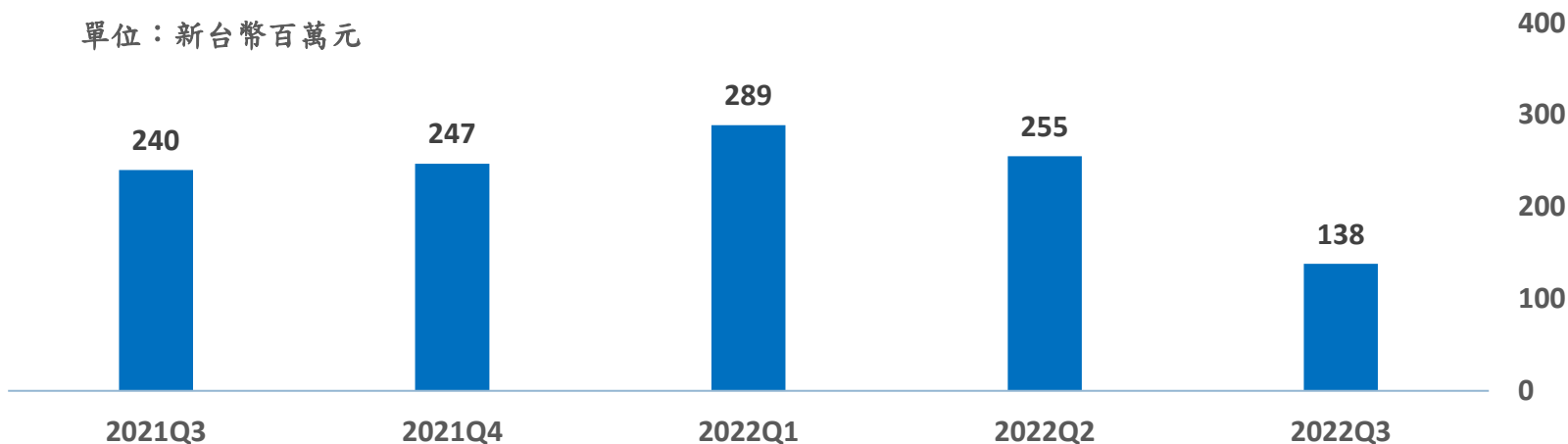
近五季營運實績-營收及毛利率

單位：新台幣百萬元

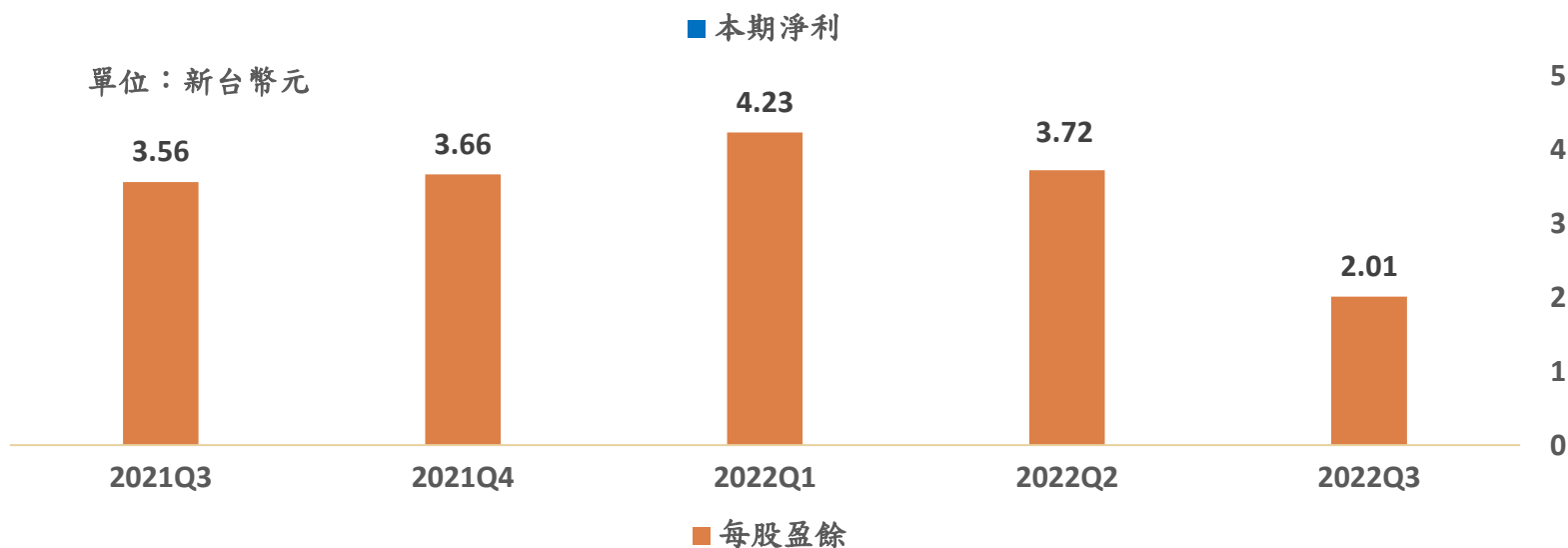


近五季營運實績－淨利及每股盈餘

單位：新台幣百萬元



單位：新台幣元





市場概況及新品簡介

新世代 USB4 移動處理器

Apple M2

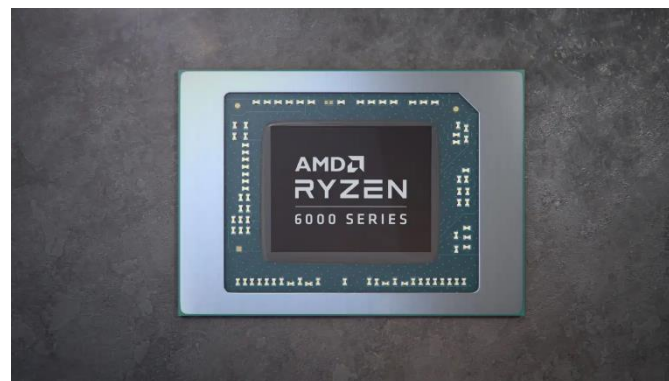


USB4

Intel Raptor Lake & Alder Lake



AMD Rembrandt



USB4 生態概況

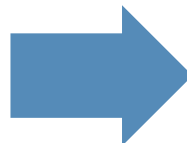
兩大關鍵：作業系統 & USB4 主控端

Apple

- M2 supports USB4
 - iPad OS 16
 - MacOS 13

Intel

- Tiger Lake & Alder Lake
 - Windows 10 / 11
 - Chrome OS



H2, Y2022

- Intel Raptor Lake
 - Windows 10 / 11
- AMD Rembrandt
 - Windows 11

USB4 規格支援

類型	主機	集線器	外設	VL830
USB 2.0 (480 Mbit/s)	是	是	是	是
USB4 20 Gbit/s 傳輸	是	是	是	是
USB4 40 Gbit/s 傳輸	可選	是	可選	是
USB 3.2 (10 Gbit/s) 隧道	是	是	可選	是
USB 3.2 (20 Gbit/s) 隧道	可選	可選	可選	是
DisplayPort 隧道	是	是	可選	是
PCI Express 隧道	可選	是	可選	無配置
主機到主機 (Host-to-Host) 通信	是	是	無配置	無配置
DisplayPort Alternate Mode	是	是	可選	是
Thunderbolt Alternate Mode	可選	是	可選	無配置

資料來源：Wikipedia; USB Promoter Group USB4 Specification 1.0 & VLI VL830 Datasheet

VL830 簡介

- 目標市場
 - 擴充底座 (Docking Stations)、轉接器 (Multi-Function Adapters)
- 功能
 - HW Support for Digitally Signed Firmware (256-bit ECDSA)
 - Integrated USB Hub (4x USB SS, 1x USB HS); USB SS DFP include both Tx/Rx & D+/D-
 - Integrated USB-C Bridge, USB Billboard, USB FW Update virtual devices (USB2 only)
 - Programmable MCU (ARM Cortex-M3)
- USB4 模式 (Tunneled Mode)
 - 1x DP Adapter Out Port (Retimer Mode; Supports MST, DSC depending on DP Source)
 - DP 1.4a (Up to 4-Lane HBR3) & USB 3.2 (Up to 10Gbps for hub DFP)
- Legacy 模式
 - Integrated DP 2.0 UHBR10 Redriver for Pass-Through
 - DP Alt Mode (2-Lane UHBR10) & USB 3.2 (Up to 10Gbps)
 - DP Alt Mode (4-Lane UHBR10) & USB 2.0
- 封裝
 - FCCSP 10x10mm



VL830 MP Products



Satechi #2



QUUGE



j5create



NewQ



Club 3D



Satechi #1



Hyper



綠聯 UGREEN



倍思 Baseus



Xfanic



MonitorMate

VL600簡介

- 目標市場
 - 擴充底座 (Docking Stations)、轉接器 (Video Adapters & Multi-Function Adapters)
- 功能
 - DP 1.4 to HDMI 2.0 Video Protocol Converter
 - Integrated 1-port USB PD 3.0 supporting DP Alt-mode & USB Billboard
 - Built-in DSC V1.2a (Display Stream Compression) Decoder for triple bandwidth
 - HDCP 2.3 and HDCP 1.4 Repeaters with on-chip keys
- 產品應用組合
 - VL600 Only: USB-C to HDMI Video Adapters
 - VL600 + VLI Hub: Bus-powered USB-C Multi-Function Adapters
 - VL600 + VLI PD VL10x + VLI Hub: Charge-thru Multi-Function Adapters; Docking Stations
- 封裝
 - QFN60 7x7mm



VL60x USB-C PCON

HDMI 2.0b



VL600

VL600

DP1.4 to HDMI2.0 PCON

DP1.4 HBR3/8.1Gb 4-Ln RX

HDMI2.0b TMDS TX

HDCP 2.3 & 1.4 Repeater w/i Keys

DSC1.2 & 1.1

USB-C DP Alt-mode w/i USB BB

DP 2-Ln @ 4K60

Static HDR

Share SPI flash w/i VLI PD or Hub

QFN60 7x7mm

MP Now

HDMI 2.1



VL605

VL605

DP2.0 HBR3 to HDMI2.1 PCON

DP2.0 HBR3/8.1G 4-Ln RX

HDMI2.1 FRL 12Gb & TMDS TX

HDCP 2.3 & 1.4 Repeater w/i Keys

DSC1.2a & 1.1

USB-C DP Alt-mode + Charge-Thru

8K@60 & 4K@120

Dynamic HDR/VRR/QMS/ALLM

Share SPI flash w/i VLI PD or Hub

QFN68 8x8mm

ES 2022/Q4



Market Information

• USB Logo Updates

Logo Name	Packaging Logo	Port Logo	Device Power Port Logo
USB 40Gbps			
USB 20Gbps			
USB 10Gbps			
USB 5Gbps			

Logo Name	Packaging Logo		Cable Logo	
USB 40Gbps Cable				
USB 20Gbps Cable				
USB 5Gbps Cable				
Hi-Speed USB Cable				

• USB4® Ver. 2 ■ up to 80 Gbps

DEVELOPER UPDATE

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USB Promoter Group Announces USB4® Version 2.0 Specification defines delivering up to 80 Gbps over USB Type-C®

Beaverton, OR, USA – September 1, 2022 – The USB Promoter Group today announced the pending release of the USB4® Version 2.0 specification, a major update to enable up to 80 Gbps of data performance over the USB Type-C® cable and connector. The USB Type-C and USB Power Delivery (USB PD) specifications will also be updated to enable this higher level of data performance. All of these specification updates are expected to be published in advance of this year's series of USB DevDays developer events planned for November.

Protocol updates are also being made to enable higher performance USB 3.2, DisplayPort™ and PCI Express® (PCIe®) data tunneling to best use the higher available bandwidth.

“Once again following USB tradition, this updated USB4 specification doubles data performance to deliver higher levels of functionality to the USB Type-C ecosystem,” said Brad Saunders, USB Promoter Group Chairman. “Solutions seeing the most benefit from this speed enhancement include higher-performance displays, storage, and USB-based hubs and docks.”

Key characteristics of the updated USB4 solution include:

- Up to 80 Gbps operation, based on a new physical layer architecture, using *existing* 40 Gbps USB Type-C passive cables and newly-defined 80 Gbps USB Type-C active cables.
- Updates to data and display protocols to better use the increase in available bandwidth.
 - USB data architecture updates now enable USB 3.2 data tunneling to *exceed* 20 Gbps.
 - Updated to align with the latest versions of the DisplayPort and PCIe specifications.
- Backward compatibility with USB4 Version 1.0, USB 3.2, USB 2.0 and Thunderbolt™ 3.

Source: [USB-IF](https://www.usb.org/news/usb4-version-2-0-specification-announced)

Market Information

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EU Parliament approves common charging cable from 2024

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Brexit



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A USB-C charger (right) beside Apple's proprietary Lightning cable

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Source: [BBC](#)

- 歐洲議會批准USB Type-C 為標準充電介面
 - 歐洲議會正式批准新法案，規定2024年底開始，USB Type-C 將成為歐盟境內手機、平板、相機、耳機、鍵盤等小型電子產品的標準充電介面。
 - 2026年春天起，USB Type-C也將成為筆記型電腦等標準充電介面。

VL320簡介

● 目標市場

- 傳統直流(DC)供電連接器之受電端 (Sink side)消費性電子產品: 如 LED 燈、電動刮鬍刀、無線電話機、智慧音箱、無線網路站....等產品。

● 功能

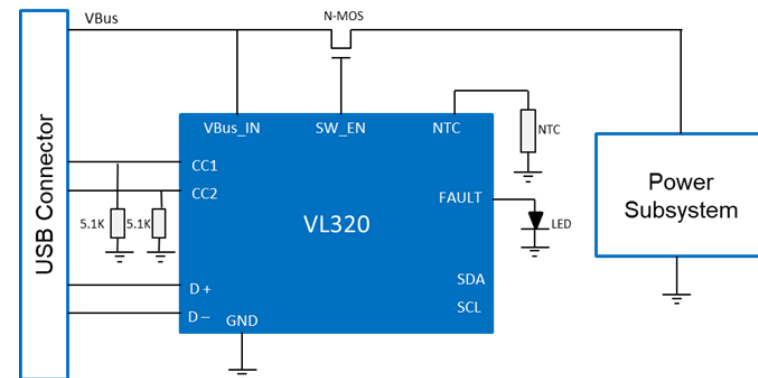
- Compliant to USB PD 3.0
- Support USB PD power profile 100W max.
- Embedded OTP ROM for PDO and manufacture data traceability (such as PID/VID)
- Driving NMOS for VBUS load switch for 3A application by using internal charge pump
- Driving PMOS for VBUS load switch for 5A application by using GPIO port
- Operating Voltage from 4V to 24V
- Build-in auto discharge for charge pump output port
- Support external NTC for thermal protection
- D+/D- to support BC1.2 DCP, Apple 2.4A
- System level ESD 15KV Air-discharge/ 8KV contact

● 協會認證

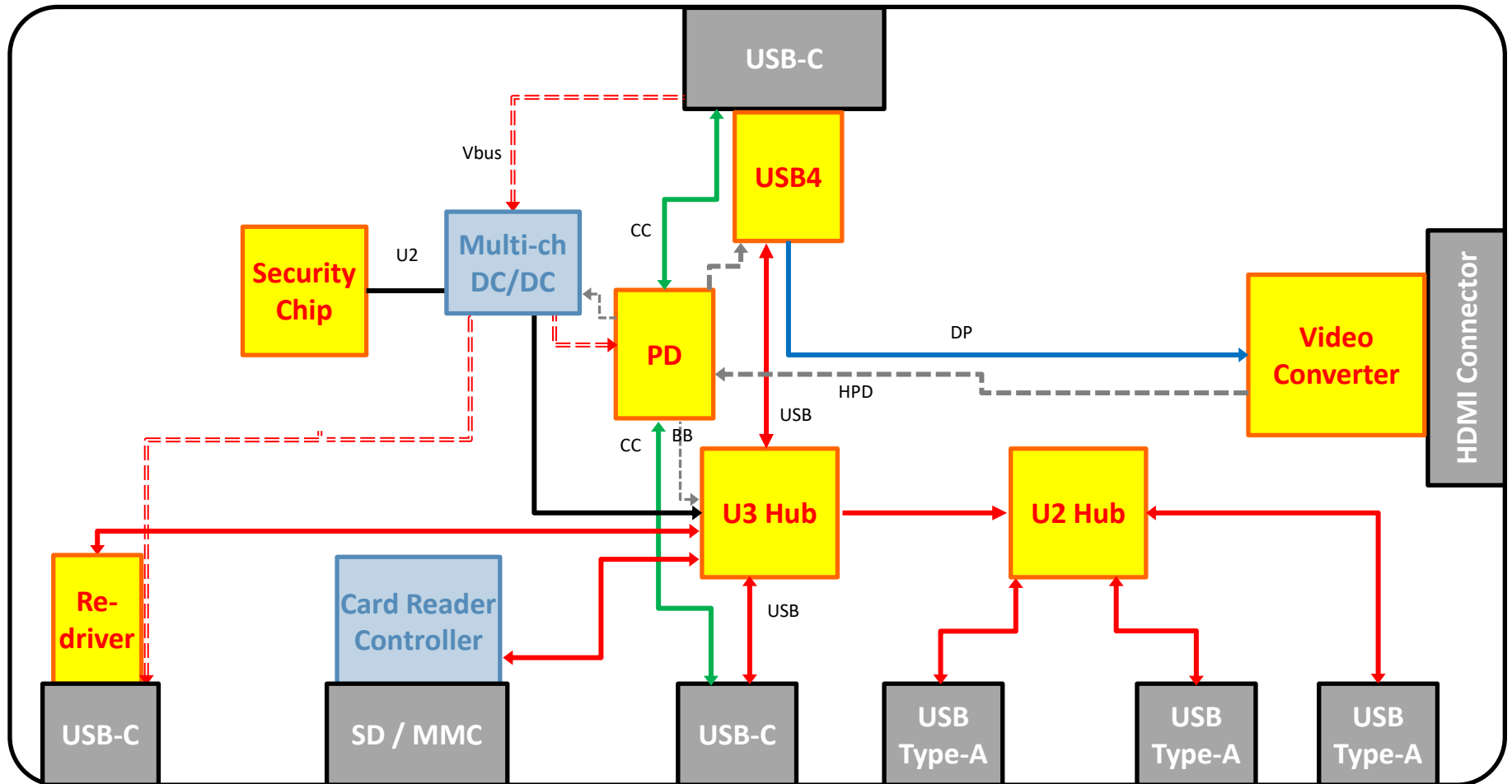
- USB-IF TID: 4311

● 封裝

- DFN20 3x3mm



Enhance Platform & Increase ASP





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Vision
Leadership
Intelligence

感謝聆聽

