Himax to Debut Industry Leading In-Cell TDDI for LCD Notebook and On-Cell Touch Controller for Premium AMOLED Notebook at CES 2024

TAINAN, Taiwan – December 18, 2023 – Himax Technologies, Inc. (Nasdaq: HIMX) ("Himax" or "Company"), a leading supplier and fabless manufacturer of display drivers and other semiconductor products, today announced the Company will debut industry leading in-cell TDDI, HX83132 series, for prevailing LCD notebook, and the on-cell touch controller, HX85200 series, targeting high-end AMOLED notebook at CES 2024, the largest consumer electronics show in Las Vegas, U.S.A., from January 9 – 12, 2024.

Over the past few years, in-cell TDDI has been proven the mainstream technology as it provides integrated cutting-edge display and touch features that substantially simplify the touch module supply chain at superior cost advantages. Himax has excelled in the in-cell TDDI technology, providing the most comprehensive TDDI offerings in the industry. With years of proven track record, the Company has expanded its TDDI offering starting from mobile phones to tablets and automobile, and now has taken the next step into notebook. The HX83132 is an industry leading in-cell TDDI designed for prevailing LCD notebook. It not only features advancements in large size, high resolution, low power consumption, as well as slim bezel, but also includes precise touch sensitivity and perceptive active stylus for seamless and intuitive human-machine interface for laptop to improve user experience and work efficiency. At CES, Himax will showcase a large-sized TFT LCD panel for laptop embedded with HX83132, demonstrating in-cell touch functionality as well as leading active stylus technology which make it a perfect fit for contemporary laptop requirements. Additionally, this IC can be adopted on a-Si TFT, Oxide TFT, and LTPS panels, supporting resolution ranging from FHD, WQXGA, 2.8K, 3K to 4K, again illustrating Himax's technology leadership in this domain.

Meanwhile, premium notebooks are quickly adopting AMOLED panels in pursuit of a more slim and light weight design while providing high brightness and contrast as well as broad color gamut and rich colors characteristics. Himax's OLED solution, including AMOLED TCON and driver IC, has already commenced mass production for a series of automotive, tablet, and notebook. Now, with the unveiling of the industry-leading on-cell touch controller IC, HX85200 series for notebook display at CES 2024, Himax has once again taken on a pioneer role by providing a comprehensive solution for AMOLED displays. HX85200 IC supports accurate touch functionality and smooth active stylus for both rigid and flexible OLED panels, bringing enrichment to the laptop display and taking touch experience to the next level.

HX83132 in-cell TDDI for LCD panels:

- Proven track record of mass-production for Himax proprietary multi-chip cascaded in-cell touch architecture
- Allows cascading multiple ICs for different display resolution
- Supports off-the-shelf Tcon without customization to enable in-cell touch function
- Incorporates embedded distributed touch MCU architecture; no need for a discrete touch MCU
- Supports multi-finger (up to 10 fingers) in-cell touch feature for LCD panel
- Supports active stylus with WGP or USI2.0 protocols at 240Hz report rate

HX85200 on-cell Touch Controller supporting AMOLED panels:

- Offers flexible panel type adoption, including rigid, flexible, or hybrid OLED panels
- Supports multi-finger (up to 10 fingers at 180Hz or 5 fingers at 240Hz report rate) capacitive touch
- Features high touch signal-to-noise ratio (SNR exceeding 45 dB) with perfect display quality without touch-display interference
- Supports active stylus with USI or MPP protocols at 240Hz report rate

“We are extremely excited about the introduction of our industry leading in-cell TDDI and on-cell touch controller for next generation notebook. This demonstrates our commitment to strengthening our touch control product roadmap in diverse applications,” said Jordan Wu, Chief Executive Officer at Himax. “Himax continues to offer upgrades to touch controller and TDDI technologies, providing more value-added feature selections for our customers. This, in return, represents the increasing content value gained per panel basis for the Company,” concluded Mr. Wu.

Himax invites all interested parties to stop by our exhibition booth at The Venetian Las Vegas Hotel (3355 Las Vegas Boulevard S, Las Vegas, Nevada, USA) Venetian Exhibit Suite 34-208 to experience Company’s leading technologies for next generation notebook display. To schedule a meeting or booth tour, please contact Himax at: Himax_CES@himax.com.tw.

About Himax Technologies, Inc.

Himax Technologies, Inc. (NASDAQ: HIMX) is a leading global fabless semiconductor solution provider dedicated to display imaging processing technologies. The Company’s display driver ICs and timing controllers have been adopted at scale across multiple industries worldwide including TVs, PC monitors, laptops, mobile phones, tablets, automotive, ePaper devices, industrial displays, among others. As the global market share leader in automotive display technology, the Company offers innovative and comprehensive automotive IC solutions, including traditional driver ICs, advanced in-cell Touch and Display Driver Integration (TDDI), local dimming timing controllers (Local Dimming Tcon), Large Touch and Display Driver Integration (LTDI) and AMOLED display technologies. Himax is also a pioneer in tinyML visual-AI and optical technology related fields. The Company’s industry-leading WiseEye™ Smart Sensing technology which incorporates Himax proprietary ultralow power AI processor, always-on CMOS image sensor, and CNN-based AI algorithm has been widely deployed in consumer electronics and AIoT related applications. While Himax optics technologies, such as diffractive wafer level optics, LCoS microdisplays and 3D sensing solutions, are critical for facilitating emerging AR/VR/metaverse technologies. Additionally, Himax designs and provides touch controllers, AMOLED ICs, LED drivers, EPD drivers, power management ICs, and CMOS image sensors for diverse display application coverage. Founded in 2001 and headquartered in Tainan, Taiwan, Himax currently employs around 2,200 people from three Taiwan-based offices in Tainan, Hsinchu and Taipei and country offices in China, Korea, Japan, Germany, and the US. Himax has 2,838 patents granted and 376 patents pending approval worldwide as of September 30, 2023.

http://www.himax.com.tw

Forward Looking Statements

Factors that could cause actual events or results to differ materially from those described in this conference call include, but are not limited to, the effect of the Covid-19 pandemic on the Company's business; general business and economic conditions and the state of the semiconductor industry; market acceptance and competitiveness of the driver and non-driver products developed by the Company; demand for end-use applications products; reliance on a small group of principal customers; the uncertainty of continued success in technological innovations; our ability to develop and protect our intellectual property; pricing pressures including declines in average selling prices; changes in customer order patterns; changes in estimated full-year effective tax rate; shortage in supply of key components; changes in environmental laws and regulations; changes in export license regulated by Export Administration Regulations (EAR); exchange rate fluctuations; regulatory approvals for further investments in our subsidiaries; our ability to collect accounts receivable and manage inventory and other risks described from time to time in the Company's SEC filings, including those risks identified in the section entitled "Risk Factors" in its Form 20-F for the year ended December 31, 2022 filed with the SEC, as may be amended.

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