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Synaptics Expands Industry's Broadest TDDI Portfolio with Four New Products for Smartphones

Adds Support for Extra-Long 19:9 Aspect Ratio, IGZO Display Technology

SAN JOSE, Calif., Oct. 24, 2017 (GLOBE NEWSWIRE) -- Synaptics Incorporated (NASDAQ: [SYNA](#)), the leading developer of human interface solutions, today announced a significant expansion of its touch controller and display driver integration (TDDI) product portfolio with four new solutions including TD4362, TD4328, TD4115, and TD4105. The Synaptics® TouchView™ TDDI portfolio is the industry's broadest and covers resolutions from HD up to WQHD+, a full range of aspect ratios up to 19:9, as well as LTPS, a-Si, and now IGZO display technology-based smartphones.

The new TD4362 TDDI solution is an industry-first featuring WQHD+ resolution, integrated RAM which provides lower power and enables an extended feature-set, and is housed on chip-on-flex (COF) to support the broad trend toward extra-long and borderless LTPS-based infinity displays. The TD4328 is the industry's first TDDI to offer integrated RAM and support for 19:9 aspect ratio FHD+ resolution LTPS infinity-display smartphones. The RAM-less TD4115 supports Full HD amorphous silicon (a-Si) infinity display smartphones up to 19:9 aspect ratio, and the RAM-less TD4105 is the industry's first to support IGZO displays with full functions up to 19:9 aspect ratio.

Synaptics TouchView TDDI technology marked an inflection point for a new era in smartphone architectures and is today shipping in mass production volumes with many of the world's top brands including Samsung, Huawei, Xiaomi, OPPO, Gionee, LeEco, Sony and LG. TDDI delivers lower overall system cost, simplifies the supply chain and enables thinner devices, brighter displays and borderless designs for both full in-cell and hybrid in-cell panel stack-ups.

"We continue to see strong growth and significant customer traction in our TDDI business with a majority of leading brands now shipping smartphones that incorporate the latest Synaptics TouchView TDDI solutions," said Vivian Chen, director of TDDI Marketing, Mobile Division, Synaptics. "Our market-proven TouchView TDDI portfolio is enabling us to gain market share in both display and touch as customers continue to adopt our integrated technology. Customers also benefit from our strong features supporting extra-long displays and infinity displays with 19:9 aspect ratio."

Learn more:

- | [TouchView products](#)
- | [TDDI Video](#)
- | [Display integration technology](#)

About Synaptics:

Synaptics is the pioneer and leader of the human interface revolution, bringing innovative and intuitive user experiences to intelligent devices. Synaptics' broad portfolio of touch, display, biometrics, voice, audio, and multimedia products is built on the company's rich R&D, extensive IP and dependable supply chain capabilities. With solutions designed for mobile, PC, smart home, and automotive industries, Synaptics combines ease of use, functionality and aesthetics to enable products that help make our digital lives more productive, secure and enjoyable. (NASDAQ: [SYNA](#)) www.synaptics.com.

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