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Qualcomm, MediaTek Fill Vacuum
HiSilicon Left in Smartphones

Qualcomm and MediaTek have plugged the gap that Huawei left when the US government effectively forced Huawei subsidiary HiSilicon out of the smartphone chip business last year as part of the trade war between China and the US.

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Infinera creates Forum for
XR Optics push

Infinera has stepped up its effort for industry-wide recognition of its point-to-multipoint XR Optics technology that uses coherent pluggable transceivers. It has established the Open XR Forum, with the initial members including operators such as Verizon, Lumen Technologies, BT, Windstream and Liberty Global.

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Schneider Electric UPS
Targeted at Light Industrial

Schneider Electric has recently introduced the Square D Easy UPS (uninterruptable power supply) product family in the United States and Canada. The Easy UPS offers a combination of optimized footprint and advanced features for protecting critical equipment in many different environments from damage due to power outages, surges, and spikes.

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TALK TO US



Spain Outlines Vision for
Industrial AI

Spanish telecoms giant Telefonica has joined forces with Microsoft and four other major companies spanning the automotive, energy and engineering sectors in an ambitious project to push the development and deployment of artificial intelligence (AI) in the country.

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Renesas Sensor Platform Unlocks
Personalized Air Quality Experiences

Renesas Electronics Corp. has expanded its ZMOD4510 Outdoor Air Quality (OAQ) gas sensor platform with an IP67-qualified waterproof package and a new AI-based algorithm that enables ultra-low power selective ozone measurements

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Qualcomm, MediaTek Fill Vacuum HiSilicon Left in Smartphones

Qualcomm and MediaTek have plugged the gap that Huawei left when the US government effectively forced Huawei subsidiary HiSilicon out of the smartphone chip business last year as part of the trade war between China and the US.

Chinese government-backed Huawei and its chip-design unit HiSilicon were at the top of the heap in the world's smartphone business and were poised to dominate the 5G business just as the administration of former US President Donald Trump banned chip foundry Taiwan Semiconductor Manufacturing Co. (TSMC) from supplying semiconductors to HiSilicon.

Infinera creates Forum for XR Optics push

Infinera has stepped up its effort for industry-wide recognition of its point-to-multipoint XR Optics technology that uses coherent pluggable transceivers.

It has established the Open XR Forum, with the initial members including operators such as Verizon, Lumen Technologies, BT, Windstream and Liberty Global.

Interestingly, though the announcement suggests the Forum “is a consortium of network operators, equipment vendors, and component vendors,” to date it only includes operators.

The importance of other players and potential standardization of the technology was discussed in a recent feature where Infinera founder and now chief innovation officer Dave Welch talked of the importance of others in the food-chain being involved.

Schneider Electric UPS Targeted at Light Industrial Use

Schneider Electric has recently introduced the Square D Easy UPS (uninterruptable power supply) product family in the United States and Canada. The Easy UPS offers a combination of optimized footprint and advanced features for protecting critical equipment in many different environments from damage due to power outages, surges, and spikes.

In an interview with EE Times, Elliott Jepson, non-IT strategic initiative manager at Schneider Electric, said this family is specifically designed for non-IT and light industrial applications. The Square D Easy UPS, shown in Figure 1, addresses applications such as manufacturing facilities, telecommunication, healthcare, and transportation. “

These UPSs feature internal modular battery strings, include start-up service and are easy to install, as they can be rolled into position. “The included start-up service ensures the UPS is properly and safely configured for optimal performance, reliability, and safety,” said Jepson.

Spain Outlines Vision for Industrial AI

Spanish telecoms giant Telefonica has joined forces with Microsoft and four other major companies spanning the automotive, energy and engineering sectors in an ambitious project to push the development and deployment of artificial intelligence (AI) in the country.

The venture has been dubbed IndesIA, and the target is no less than to establish Spain as a powerhouse for AI in the industrial segment, and over time in Europe.

The other companies involved are Repsol (energy), Gestamp (automotive), Navantia (ship building), and Tecnicas Reunidas (engineering).

Renesas Sensor Platform Unlocks Personalized Air Quality Experiences

Renesas Electronics Corp. has expanded its ZMOD4510 Outdoor Air Quality (OAQ) gas sensor platform with an IP67-qualified waterproof package and a new AI-based algorithm that enables ultra-low power selective ozone measurements. The enhanced ZMOD4510 is the industry's first fully calibrated, miniature digital OAQ sensor solution with selective ozone measurement capabilities, offering visibility into the air quality in users' immediate environments for a personalized experience.

Ozone gas is a significant cause of poor outdoor air quality that poses health risks. Based on Renesas' new ultra-low power firmware, the enhanced ZMOD4510 can detect specific ozone levels—without reporting on other pollutants—while maintaining power consumption under 200µW. This selective measurement capability allows devices such as smart watches, phones, and smoke detectors to monitor for harmful ozone gasses typically found outdoors but which can drift indoors through open windows and doors. Optimizing the ZMOD4510 for very low power is key to enabling the longer life cycles required for these types of battery-powered devices.