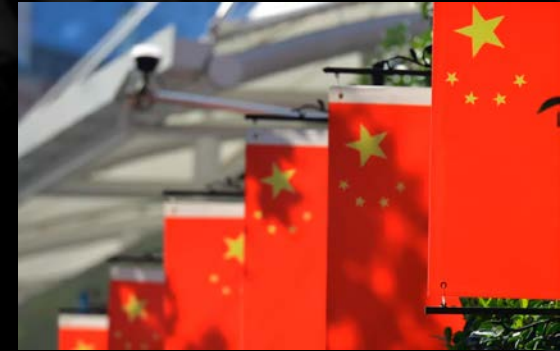


Ivent Solutions Market Trend Update

December 2019

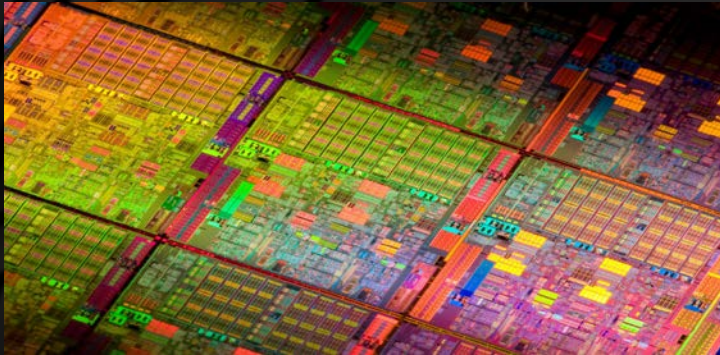
Chinese Government to Ban Foreign Hardware

As part of the escalating US/China Trade War, the Chinese government is reportedly planning to remove foreign PC's and software from its government offices and public institutions. In a directive issued earlier this year, Beijing officials ordered that all hardware and software be replaced with Chinese alternatives within the next three years (as reported by the Financial Times this week). The policy has reportedly been nicknamed 3-5-2 because it sets targets for government offices to replace 30% of foreign hardware and software in 2020, 50% in 2021 and 20% in 2022.



Single digit growth for chip industry in 2020

IC Insights expects a 'moderate' increase in worldwide economic performance and expects that the chip industry will continue displaying an 'excellent correlation' with worldwide GDP growth. Other forecasts reported for next year are: Mike Cowan at 8.7%, Semiconductor Intelligence at 8%, WSTS at 5.8%, Statista at 5.4% and Future Horizons at 4%. In 2024, the IC market is forecast to reach \$575 billion, says IC Insights, up from \$356 billion in 2019.



Panasonic quits chips!

After 67 years Matsushita/Panasonic is quitting the chip industry. Between 1985 and 1990 the company was a top ten player. However it is now it is to be sold to Nuvoton Technology of Taiwan which is 61% owned by Winbond.

Nuvoton is paying USD250 million for the unit which designs power-management chips and sensors for smartphones, cars and security cameras. For its FY ending in March, Panasonic Semiconductor made a loss of \$215 million on sales of \$840 million. With the sale go three JV fabs shared with Tower Jazz.

Earlier this year, in May, Panasonic also sold its discretes business – which makes diodes and transistors – to Rohm. In 2015 the company put its SoC design business into a JV with Fujitsu called Socionext.



From all the team here at Ivent, we wish everyone a very Merry Christmas, and a safe and prosperous New Year.

Important Dates:

- *Ivent Christmas Closure – 20th December till 6th January*
- *Chinese New Year – January 25th till 8th February*



Ivent Solutions Market Trend Update

December 2019

NZD versus AUD - AU\$0.950 vs NZ\$1.00 ↑



NZD versus USD - US\$0.655 vs NZ\$1.00 ↑



NZD versus EUR - EU\$0.590 vs. NZ\$1.00 ↑



Copper - USD5850 / tonne ↓



Lead - USD1900 / tonne ↓



Nickel - USD13400 / tonne ↓



Important Dates:

- Ivent Christmas Closure – 20th December till 6th January
- Chinese New Year – January 25th till 8th February

