



WORLD
SEMICONDUCTOR
TRADE STATISTICS

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WSTS has published the Q4 2021 semiconductor market figures and recalculated the Fall 2021 Forecast. The recalculated Fall Forecast utilizes the November 2021 forecast as the base and supplements that with full year 2021 data collected through January 2022 and analyzed by early February 2022.

The next WSTS forecast is planned for early June 2022.

The Worldwide Semiconductor Market was up 26.2 percent in 2021, and is expected to show a further growth of 10.4 percent in 2022

Global semiconductor market sales were US\$ 556 billion in 2021 - an increase of 26.2 percent from 2020

This reflects significant growth across all major product categories. The largest growth contributors were the Analog category with 33.1 percent, followed by Memory with 30.9 percent and Logic with 30.8 percent. Sensors and Discrete Semiconductors showed a growth rate in the range of 28 percent. Growth was somewhat lower in the Micro category, at 15.1 percent and Optoelectronics, at 7.4 percent.

In 2021, America's region showed a very strong 27.4 percent growth, Europe showed a market increase of 27.3 percent and APAC of 26.5 percent, while Japan showed a below-average growth rate at 19.8 percent.

Worldwide Semiconductor Market Growth is expected to continue in 2022.

The worldwide semiconductor market is expected to increase by 10.4 percent in 2022 which corresponds to sales of US\$ 613.5 billion. Market growth is being driven by the Sensors category with 17.2 percent, followed by Logic with 17.1 percent and Analog with 14.1 percent. The lowest market growth is expected for the Memory category with 1.1%.

However, significant regional differences are expected for 2022. By far the strongest growth is expected for Americas (16.4 percent), while lower growth rates are expected in Europe (10.8 percent), Japan (9.7 percent) and APAC (8.3 percent).

About WSTS:

World Semiconductor Trade Statistics (WSTS) was founded in 1986 as a non-profit organization of semiconductor product companies and is the industry's only source for monthly industry shipment statistics.

For more information, please visit the WSTS web site at www.wsts.org.

WSTS Forecast Summary

Note: Numbers in the table are rounded to whole millions of dollars, which may cause totals by region and totals by product group to differ slightly.

Fall 2021 Q4 Update	Amounts in US\$M			Year on Year Growth in %		
	2020	2021	2022	2020	2021	2022
Americas	95,366	121,481	141,386	21.3	27.4	16.4
Europe	37,520	47,757	52,918	-5.8	27.3	10.8
Japan	36,471	43,687	47,928	1.3	19.8	9.7
Asia Pacific	271,032	342,967	371,291	5.1	26.5	8.3
Total World - \$M	440,389	555,893	613,523	6.8	26.2	10.4
Discrete Semiconductors	23,804	30,337	33,275	-0.3	27.4	9.7
Optoelectronics	40,397	43,404	46,844	-2.8	7.4	7.9
Sensors	14,962	19,149	22,442	10.7	28.0	17.2
Integrated Circuits	361,226	463,002	510,962	8.4	28.2	10.4
Analog	55,658	74,105	84,539	3.2	33.1	14.1
Micro	69,678	80,221	89,709	4.9	15.1	11.8
Logic	118,408	154,837	181,257	11.1	30.8	17.1
Memory	117,482	153,838	155,458	10.4	30.9	1.1
Total Products - \$M	440,389	555,893	613,523	6.8	26.2	10.4