



European  
Semiconductor  
Industry  
Association

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**FOR IMMEDIATE RELEASE**

## **The worldwide semiconductor market is expected to increase 5.1 percent in 2020, accelerating to 8.4 percent in 2021**

**Worldwide semiconductor market is forecasted to be US\$ 433 billion in 2020 – an increase of 5.1% from 2019 – reports the European Semiconductor Industry Association (ESIA) based on the latest WSTS forecast data.**

The World Semiconductor Trade Statistics (WSTS) has released its new semiconductor market forecast generated in November 2020.

WSTS expects the world semiconductor market to be up by 5.1% to US\$ 433 billion in 2020. This reflects expected growth in all major product categories except Optoelectronics and Discrete Semiconductors. The largest growth contributors are Memory with 12.2% followed by Sensors with 7.4%. In 2020, Americas and Asia Pacific regions are expected to grow.

### **Worldwide semiconductor market growth is expected to accelerate in 2021**

For 2021, the global semiconductor market is projected to grow by 8.4%, driven by double-digit growth of Memory and Optoelectronics. All other product categories are also expected to show positive growth rates. All regions are expected to grow in 2021.

The semiconductor market overall is not that negatively impacted by the COVID-19 pandemic as originally expected earlier this year.

## WSTS forecast summary

Autumn 2020	Amounts in US\$M			Year on Year Growth in %		
	2019	2020	2021	2019	2020	2021
<b>Americas</b>	78,619	93,343	102,164	-23.7	18.7	9.5
<b>Europe</b>	39,816	36,452	38,543	-7.3	-8.4	5.7
<b>Japan</b>	35,993	35,759	37,841	-9.9	-0.6	5.8
<b>Asia Pacific</b>	257,879	267,590	290,854	-8.8	3.8	8.7
<b>Total World – \$M</b>	412,307	433,145	469,403	-12.0	5.1	8.4
<b>Discrete Semiconductors</b>	23,881	23,593	25,292	-0.9	-1.2	7.2
<b>Optoelectronics</b>	41,561	40,481	44,628	9.3	-2.6	10.2
<b>Sensors</b>	13,511	14,515	15,642	1.2	7.4	7.8
<b>Integrated Circuits</b>	333,354	354,556	383,840	-15.2	6.4	8.3
Analog	53,939	53,954	58,578	-8.2	0.0	8.6
Micro	66,440	67,744	68,444	-1.2	2.0	1.0
Logic	106,535	113,419	121,507	-2.5	6.5	7.1
Memory	106,440	119,440	135,311	-32.6	12.2	13.3
<b>Total Products – \$M</b>	412,307	433,145	469,403	-12.0	5.1	8.4

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.

For more information:

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**About ESIA:** *The European Semiconductor Industry Association (ESIA) is the voice of the semiconductor industry in Europe. Its mission is to represent and promote the common interests of the Europe-based semiconductor industry towards the European institutions and stakeholders in order to ensure a sustainable business environment and foster its global competitiveness. As a provider of key enabling technologies, the industry creates innovative solutions for industrial development, contributing to economic growth and responding to major societal challenges. Being ranked as the most R&D-intensive sector by the European Commission, the European semiconductor ecosystem supports approx. 200.000 jobs directly and up to 1.000.000 induced jobs in systems, applications and services in Europe. Overall, micro- and nano-electronics enable the generation of at least 10% of GDP in Europe and the world.*

**About WSTS:** *World Semiconductor Trade Statistics (WSTS) was founded in 1986 as a non-profit organisation of semiconductor product companies and is the industry's only source for monthly industry shipment statistics. <http://www.wsts.org/>*