

# ISTOXX® GLOBAL 5G & NEXGEN TELECOMMUNICATION COMPONENTS INDEX

## Index description

The iSTOXX Global NexGen Communication Innovative Technology Index is comprised of companies that stand to benefit from the continuous technological advancement in the telecommunications industry. The index focuses specifically on companies providing the network equipment, infrastructure and semiconductors required for the rollout of telecommunications services.

The index selects profitable companies that derive significant revenues from 32 sectors associated with the innovative communications technology theme, based on FactSet Revere (RBICS) data. Companies with the lowest investments in research and development are excluded, as are those that fail to meet thresholds of size and liquidity. Final selection into the index is determined by company size.

The investment universe consists of all stocks in France, Germany, Japan, Netherlands, South Korea, United Kingdom, United States, Hong Kong and Taiwan. Also included are China A shares listed in Shanghai/Shenzhen that are participants of the Stock Connect Program, as well as Chinese ADRs and so-called P Chips, Red Chips and H-Shares. The index is free-float market-

## Key facts

»Index allows targeted investment in the NextGen Communication Innovative Technology theme

»Detailed FactSet Revere (RBIC) data helps identify and select companies with a revenue exposure above 30% to sectors linked to the theme

»Liquidity filter ensures replicability

»Profitability screen strengthen investment proposal

»Filter based on R&D expenses filters out companies that are not investing in innovation

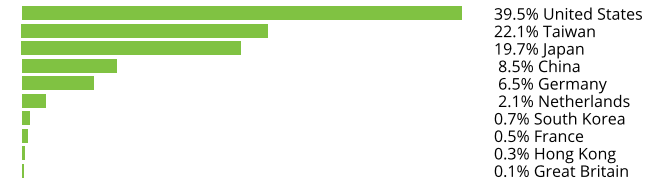
## Descriptive statistics

Index	Market cap (USD bn.)		Components (USD bn.)				Component weight (%)		Turnover (%)
	Full	Free-float	Mean	Median	Largest	Smallest	Largest	Smallest	Last 12 months
iSTOXX Global 5G & NexGen Telecommunication Components Index	1,058.3	891.1	8.9	3.6	68.4	0.6	7.7	0.1	14.6
STOXX Global Total Market Index	85,127.4	71,867.8	6.4	0.7	2,903.0	0.0	4.0	0.0	2.5

## Supersector weighting (top 10)



## Country weighting



## Risk and return figures<sup>1</sup>

Index returns	Return (%)					Annualized return (%)				
	Last month	YTD	1Y	3Y	5Y	Last month	YTD	1Y	3Y	5Y
iSTOXX Global 5G & NexGen Telecommunication Components Index	5.0	25.8	22.4	52.8	106.0	N/A	N/A	22.4	15.2	15.6
STOXX Global Total Market Index	5.8	13.7	17.1	38.0	45.6	N/A	N/A	17.3	11.4	7.9
Index volatility and risk	Annualized volatility (%)					Annualized Sharpe ratio <sup>2</sup>				
iSTOXX Global 5G & NexGen Telecommunication Components Index	12.8	16.3	20.8	20.5	21.2	N/A	N/A	0.8	0.7	0.7
STOXX Global Total Market Index	10.3	11.5	15.8	15.0	17.5	N/A	N/A	0.8	0.7	0.4
Index to benchmark	Correlation					Tracking error (%)				
iSTOXX Global 5G & NexGen Telecommunication Components Index	0.7	0.7	0.7	0.8	0.8	8.2	12.4	13.8	13.5	13.3
Index to benchmark	Beta					Annualized information ratio				
iSTOXX Global 5G & NexGen Telecommunication Components Index	0.9	0.9	1.0	1.0	0.9	-1.1	1.6	0.3	0.2	0.5

<sup>1</sup> For information on data calculation, please refer to [STOXX calculation reference guide](#).

<sup>2</sup> Based on EURIBOR1M

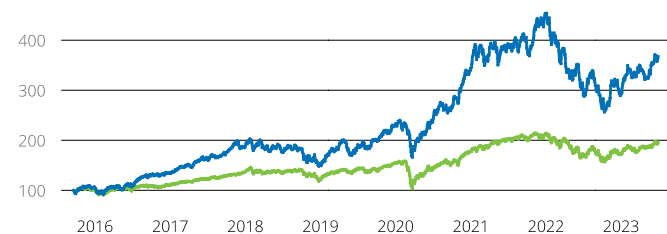
(USD, net return), all data as of Jun. 30, 2023

## THEME INDICES

## ISTOXX® GLOBAL 5G &amp; NEXGEN TELECOMMUNICATION

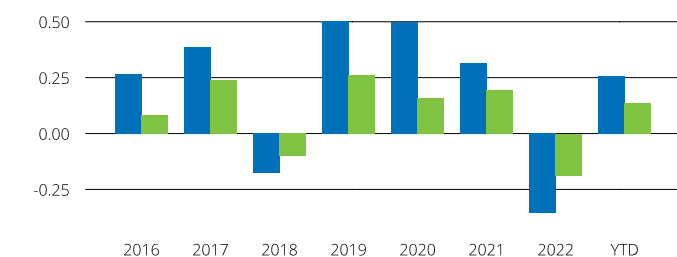
## Fundamentals (for last 12 months)

Index	Price/earnings incl. negative		Price/earnings excl. negative		Price/ book	Dividend yield (%) <sup>3</sup>	Price/ sales	Price/ cash flow
	Trailing	Projected	Trailing	Projected	Trailing	Trailing	Trailing	Trailing
iSTOXX Global 5G & NexGen Telecommunication Components Index	17.8	18.6	17.5	18.5	3.3	2.4	2.3	23.5
STOXX Global Total Market Index	-0.9	15.2	13.8	14.5	0.2	2.0	1.3	0.4

Performance and annual returns<sup>4</sup>

— iSTOXX® Global 5G & NexGen Telecommunication Components Index

— STOXX® Global Total Market Index



■ iSTOXX® Global 5G & NexGen Telecommunication Components Index

■ STOXX® Global Total Market Index

## Methodology

The parent universe consists of companies from a combination of STOXX Country Total Market indices: France, Germany, Japan, Netherlands, South Korea, United Kingdom, United States, Hong Kong, Taiwan and China (ADRs, P chips, Red Chips, H Shares and A Shares that are accessible through Stock Connect).

Only companies with revenue exposure of more than 30% to the sectors associated with the theme are selected. FactSet Revere (RBICS) data allow a detailed breakdown of the revenue sources of the eligible companies, helping this index to select companies with substantial exposure to the theme.

Illiquid stocks are excluded, alongside companies with negative ROE and/or EPS in the last year. Companies with the lowest investments in R&D are then also excluded. Finally, the 100 remaining companies with the highest free-float market capitalization are selected for inclusion in the index. The index

## Versions and symbols

Index	ISIN	Symbol	Bloomberg	Reuters
Gross Return EUR	CH0521174521	.IXNGCITG		.IXNGCITG
Net Return EUR	CH0521174513	.IXNGCITN		.IXNGCITN
Price EUR	CH0521174505	.IXNGCITP		.IXNGCITP
Gross Return USD	CH0521174554	.IXNGCITU	.IXNGCITU INDEX	.IXNGCITU
Net Return USD	CH0521174547	.IXNGCITV	.IXNGCITV INDEX	.IXNGCITV
Price USD	CH0521174539	.IXNGCITL	.IXNGCITL INDEX	.IXNGCITL

Complete list available here: [www.stoxx.com/data/vendor\\_codes.html](http://www.stoxx.com/data/vendor_codes.html)

## Quick facts

Weighting	Free-float market cap
Cap factor	6% per component, 10% for total weight in China A
No. of components	minimum 50, maximum 100 components
Review frequency	annually in September
Calculation/distribution	dayend
Calculation hours	22:15:00 22:15:00
Base value/base date	100 as of Sep. 18, 2015
History	Available since Sep. 19, 2015
Inception date	Jan. 31, 2020

To learn more about the inception date, the currency, the calculation hours and historical values, please see our data vendor code sheet.

## CONTACT DETAILS

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## BACKTESTED PERFORMANCE

This document contains index performance data based on backtesting, i.e. calculations of how the index might have performed prior to launch if it had existed using the same index methodology and based on historical constituents. Backtested performance information is purely hypothetical and is provided in this document solely for information purposes. Backtested performance does not represent actual performance and should not be interpreted as an indication of actual performance.

## CUSTOMIZATION

The index can be used as a basis for the definition of STOXX® Customized Indices, which can be tailored to specific client or mandate needs. STOXX offers customization in almost unlimited forms for example in terms of component selection, weighting schemes and personalized calculation methodologies.

<sup>3</sup> Net dividend yield is calculated as net return index return minus price index return

<sup>4</sup> STOXX data from Sep. 18, 2015 to Jun. 30, 2023

(USD, net return), all data as of Jun. 30, 2023

## THEME INDICES

## ISTOXX® GLOBAL 5G &amp; NEXGEN TELECOMMUNICATION COMPONENTS INDEX

Top 10 Components<sup>5</sup>

<b>Company</b>	<b>Supersector</b>	<b>Country</b>	<b>Weight (%)</b>
Applied Materials Inc.	Technology	United States	7.68
Lam Research Corp.	Technology	United States	7.38
TSMC	Technology	Taiwan	6.17
INFINEON TECHNOLOGIES	Technology	Germany	6.04
Tokyo Electron Ltd.	Technology	Japan	5.42
TE CONNECTIVITY LTD.	Technology	United States	4.98
Qualcomm Inc.	Technology	United States	4.70
Murata Manufacturing Co. Ltd.	Technology	Japan	4.03
MediaTek Inc.	Technology	Taiwan	3.97
KEYSIGHT TECHNOLOGIES	Industrial Goods & Services	United States	3.35

<sup>5</sup> Based on the composition as of Jun. 30, 2023