# - - - - - - -0)全球互联网交换中心数据分析报告- -

报告生成时间：2021-12-10 10:32:36.942728

基础数据来源：https://www.peeringdb.com/

# - - - - - - -1)当前时间全球IXP总数统计- - - - - - - - - - - -

截止目前，全球共有921个互联网交换中心

# - - - - - - -2)全球IXP发展趋势- - - - - - - - - - - -

全球互联网自2010年至今，每年总计的IXP数量:

2010年总计IXP数量(个):209

2011年总计IXP数量(个):231

2012年总计IXP数量(个):263

2013年总计IXP数量(个):306

2014年总计IXP数量(个):352

2015年总计IXP数量(个):409

2016年总计IXP数量(个):465

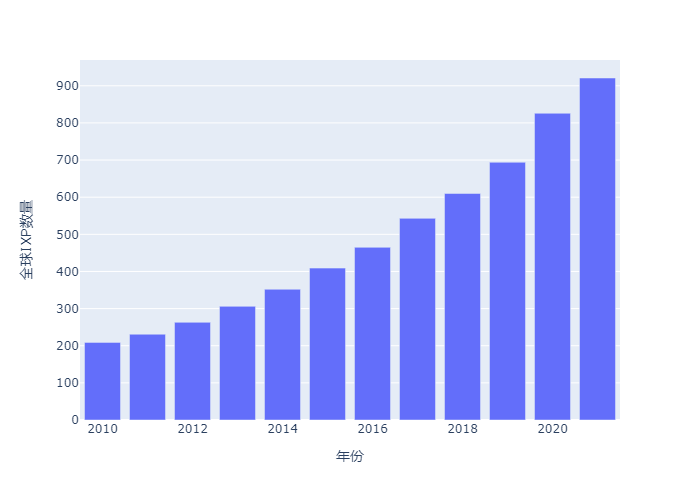
2017年总计IXP数量(个):543

2018年总计IXP数量(个):610

2019年总计IXP数量(个):694

2020年总计IXP数量(个):826

2021年总计IXP数量(个):921



# - - - - - - -3)全球IXP信息按国家（地区）维度统计- - - - - - - - - - - -

全球范围内共有148个国家（地区）部署了IXP

按IXP数量降序排名，TOP 20信息如下：

|  |  |
| --- | --- |
| **国家** | **IXP数量** |
| US | 146 |
| BR | 43 |
| AU | 41 |
| RU | 41 |
| DE | 33 |
| IN | 31 |
| ID | 31 |
| AR | 29 |
| CA | 22 |
| GB | 20 |
| SE | 20 |
| FR | 19 |
| UA | 19 |
| NL | 18 |
| CN | 17 |
| JP | 15 |
| PL | 15 |
| IT | 14 |
| NZ | 11 |
| CH | 10 |

# - - - - - - -4)全球IXP信息按大洲维度统计- - - - - - - - - - - -

按照IXP数量降序排名，各大洲IXP数量分布如下：

Europe:320

Asia Pacific:184

North America:181

South America:105

Africa:64

Australia:49

Middle East:18

# - - - - - - -5)我国及主要国家（地区）IXP发展具体情况- - - - - - - - - - - -

我国大陆地区CN的IXP数量:17，其详细信息如下：

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **更新时间** | **官网网址** | **备注信息** |
| CHN-IX Beijing | 2015-12-01T00:00:00Z | http://www.chn-ix.net | CHN-IX China Beijing |
| CHN-IX Guangzhou | 2016-04-19T06:05:36Z | http://www.chn-ix.net | CHN-IX China Guangzhou |
| CNIX | 2016-05-04T01:21:07Z | http://www.cnix.com.cn | China Internet Exchange |
| CHN-IX Shanghai | 2016-07-19T07:29:03Z | http://www.chn-ix.net | CHN-IX China Shanghai |
| CN-IX-SH | 2017-08-18T03:20:35Z | http://www.cn-ix.com | CN-IX |
| CN-IX-BJ | 2017-08-18T03:36:15Z | http://www.cn-ix.com |  |
| CN-IX-GZ | 2017-08-18T03:37:09Z | http://www.cn-ix.com |  |
| Cnean | 2017-08-29T09:13:57Z | http://www.cnean.com |  |
| FSIX Shanghai | 2020-03-18T08:53:02Z | https://fsix.tutu.green/ | Fantasy Sky Shanghai Internet eXchange |
| ZXIX Hangzhou (Y) | 2020-06-17T23:29:31Z | http://ix.zxinc.org | ZX Internet Exchange Hangzhou (Y) |
| TOHU IX | 2020-06-26T05:01:40Z | https://ix.bairuo.top/ |  |
| MoeIX CSX | 2020-07-25T22:12:30Z | https://www.moeix.top/ | Moe Internet Exchange - Changsha |
| IXPMOE-ZUH | 2021-01-28T15:07:12Z | https://ixp.moe | IXPMOE Internet Exchange Point |
| Wut Exchange | 2021-06-13T12:15:46Z | https://wut.su | Wut Internet Exchange by HUIZE LTD |
| Baoshuo Internet Exchange | 2021-07-16T14:01:20Z | https://ix.baoshuo.ren | Baoshuo Education and Research Internet Exchange |
| ZXIX Wuhan (L) | 2021-08-14T21:57:04Z | http://ix.zxinc.org | ZX Internet Exchange Wuhan (L) |
| NNIX | 2021-10-20T09:16:13Z | http://www.nnix.cn |  |

我国香港地区HK的IXP数量:7，其详细信息如下：

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **更新时间** | **官网网址** | **备注信息** |
| HKIX | 2010-07-29T00:00:00Z | https://www.hkix.net/ | Hong Kong Internet Exchange |
| IAIX | 2010-07-29T00:00:00Z | http://www.iadvantage.net | iAdvantage Internet Exchange |
| Equinix Hong Kong | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Hong Kong |
| AMS-IX Hong Kong | 2012-03-28T00:00:00Z | http://www.ams-ix.hk | Amsterdam Internet Exchange Hong Kong |
| BBIX Hong Kong | 2016-09-20T00:24:23Z | http://www.bbix.net/en/ | BroadBand Internet eXchange Hong Kong |
| ZXIX Hong Kong (Y) | 2020-08-08T05:38:03Z | http://ix.zxinc.org | ZX Internet Exchange Hong Kong (Y) |
| Aperture-IX | 2021-03-26T20:48:58Z | https://ix.apernet.io | Aperture Internet Exchange |

我国台湾地区TW的IXP数量:6，其详细信息如下：

|  |  |  |  |
| --- | --- | --- | --- |
| **名称** | **更新时间** | **官网网址** | **备注信息** |
| TWIX | 2010-07-29T00:00:00Z | https://www.twix.net/index\_e.html | Taiwan Internet Exchange |
| TaipeiGigaPoP | 2010-07-29T00:00:00Z | https://its.sinica.edu.tw/ | Taipei GigaPoP Internet Exchange |
| TPIX-TW | 2014-01-26T00:00:00Z | http://www.tpix.net.tw/ | Taipei Internet Exchange |
| GeekIX Taoyuan (Jumbo) | 2020-09-14T05:29:03Z | http://ix.geeknetworks.com.au | Geek Networks Exchange Taiwan Taoyuan |
| STUIX | 2020-11-25T06:39:02Z | https://stuix.io | Student & Technology United Internet Exchanges |
| GeekIX Taoyuan | 2021-02-23T09:58:51Z | http://ix.geeknetworks.com.au |  |

美国的IXP数量:146，其详细信息如下：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **更新时间** | **官网网址** | **备注信息** | **城市** |
| Equinix Ashburn | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Ashburn | Ashburn |
| Equinix Chicago | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Chicago | Chicago |
| Equinix Dallas | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Dallas | Dallas |
| Equinix Los Angeles | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Los Angeles | Los Angeles |
| Equinix San Jose | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange San Jose (Bay Area) | San Jose |
| Equinix Palo Alto | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Palo Alto | Palo Alto |
| Equinix Atlanta | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Atlanta | Atlanta |
| Equinix Vienna (VA) | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Vienna, VA | Vienna |
| Equinix Seattle | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange Seattle | Seattle |
| Equinix New York | 2010-07-29T00:00:00Z | https://ix.equinix.com | Equinix Internet Exchange New York | New York |
| SIX Seattle | 2010-07-29T00:00:00Z | https://www.seattleix.net/ | Seattle Internet Exchange (MTU 1500) | Seattle |
| NYIIX | 2010-07-29T00:00:00Z | https://www.nyiix.net/locations/nyiix-new-york/ | New York International Internet eXchange | New York |
| Equinix Miami | 2010-07-29T00:00:00Z | http://www.equinix.com | Equinix Internet Exchange Miami | Miami |
| Digital Realty Atlanta | 2010-07-29T00:00:00Z | https://ix.digitalrealty.com | Digital Realty Atlanta Internet Exchange | Atlanta |
| NYIIX Los Angeles | 2010-07-29T00:00:00Z | https://www.nyiix.net/locations/nyiix-la/ | New York International Internet eXchange - Los Angeles | Los Angeles |
| NYCX | 2010-07-29T00:00:00Z | http://www.nycx.net/ | Free NYIIX Alternative | New York |
| Pacific Wave | 2010-07-29T00:00:00Z | http://www.pacificwave.net/ | Pacific Wave Exchange in LA, Sunnyvale and Seattle | West Coast |
| MadIX | 2010-07-29T00:00:00Z | http://kb.wisc.edu/ns/page.php?id=6636 | Madison Internet Exchange | Madison |
| Oregon Internet Exchange (OIX) | 2010-07-29T00:00:00Z | http://www.oregon-ix.net/ | Oregon-IX | Eugene, Oregon |
| TampaIX | 2010-07-29T00:00:00Z | http://tampaix.net | Tampa Internet Exchange | Tampa |
| Any2West | 2010-07-29T00:00:00Z | http://www.coresite.com | CoreSite - Any2West | Los Angeles and Silicon Valley |
| BigApe | 2010-07-29T00:00:00Z | http://www.bigape.us | The Big Apple Peering Exchange | New York |
| SFMIX | 2010-07-29T00:00:00Z | https://www.sfmix.org/ | San Francisco Metropolitan Internet Exchange | San Francisco |
| NWAX | 2010-07-29T00:00:00Z | http://www.nwax.net | Northwest Access Exchange, Inc. | Portland |
| HIX | 2010-07-29T00:00:00Z | http://www.hawaii.edu/hix/Hawaii\_Internet\_Exchange/Home.html | Hawai`i Internet Exchange | Honoloulu |
| YRIX | 2010-07-29T00:00:00Z | http://www.yrix.org/ | Yellowstone Regional Internet eXchange | Billings, MT |
| Any2East | 2010-07-29T00:00:00Z | http://www.coresite.com | CoreSite - Any2East | Washington DC, Reston, Boston, New York |
| Any2Miami | 2010-07-29T00:00:00Z | http://www.coresite.com | CoreSite - Any2Miami | Miami |
| Any2Chicago | 2010-07-29T00:00:00Z | http://www.coresite.com | CoreSite - Any2Chicago | Chicago |
| ChIX | 2010-07-29T00:00:00Z | https://unitedix.net/location/chicago | Chicago Internet Exchange | Chicago |
| KCIX | 2010-07-29T00:00:00Z | http://www.kcix.net/ | Kansas City Internet Exchange | Kansas City |
| Any2Denver | 2010-07-29T00:00:00Z | http://www.coresite.com | CoreSite - Any2Denver | Denver |
| Digital Realty Phoenix | 2010-07-29T00:00:00Z | http://ix.digitalrealty.com | Digital Realty Phoenix Internet Exchange | Phoenix |
| DRF IX | 2010-07-29T00:00:00Z | http://www.drfortress.com | DRFortress Exchange | Honolulu |
| Digital Realty Dallas | 2010-07-29T00:00:00Z | https://ix.digitalrealty.com | Digital Realty Dallas Internet Exchange | Dallas |
| Digital Realty New York | 2010-07-29T00:00:00Z | https://ix.digitalrealty.com | Digital Realty New York Internet Exchange | New York/New Jersey |
| SUPRnet | 2010-07-29T00:00:00Z | https://suprnet.net | Southern Utah Peering Regional Network | Saint George |
| NASA-AIX | 2010-08-28T00:00:00Z | http://www.nasa.gov/centers/ames | NASA Ames Internet eXchange | Mountain View, CA |
| MICE | 2010-10-09T00:00:00Z | http://www.micemn.net | Midwest Internet Cooperative Exchange | Minneapolis, MN |
| AZIX | 2011-03-05T00:00:00Z |  | Arizona Internet Exchange | Phoenix |
| BNIIX | 2011-05-04T00:00:00Z | http://www.bniix.net | Buffalo Niagara International Internet Exchange | Buffalo |
| MKE-IX | 2011-06-02T00:00:00Z | http://www.mkeix.net | The Milwaukee IX | Milwaukee |
| COIX | 2011-05-14T00:00:00Z | https://www.centraloregonix.org | Central Oregon Internet eXchange | Bend |
| JXIX | 2012-01-30T00:00:00Z | http://jxix.org | Jacksonville Internet Exchange | Jacksonville |
| Boston Internet Exchange | 2012-02-03T00:00:00Z | http://www.bostonix.net/ | Boston Internet Exchange | Boston, Massachusetts |
| TP-IX | 2012-11-05T00:00:00Z | http://tp-ix.net | Twin Ports Internet Exchange | Duluth |
| SNAP | 2012-11-20T00:00:00Z | http://www.southeastnap.com/ | Southeast Network Access Point | Atlanta |
| GCIIX | 2012-12-22T00:00:00Z | http://www.gciix.net | Greater Chicago International Internet Exchange | Chicago |
| Phoenix-IX | 2013-03-12T00:00:00Z | http://www.phoenix-ix.net | Phoenix IX | Phoenix |
| CyrusOne IX Dallas | 2013-04-09T00:00:00Z | http://www.cyrusone.com | CyrusOne Internet Exchange | Dallas |
| CyrusOne IX Houston | 2013-04-09T00:00:00Z | http://www.cyrusone.com | CyrusOne Internet Exchange | Houston |
| CyrusOne IX Austin | 2013-04-09T00:00:00Z | http://www.cyrusone.com | CyrusOne Internet Exchange | Austin |
| CyrusOne IX San Antonio | 2013-04-09T00:00:00Z | http://www.cyrusone.com | CyrusOne Internet Exchange | San Antonio |
| CyrusOne IX Phoenix | 2013-09-09T00:00:00Z | http://www.cyrusone.com | CyrusOne Internet Exchange | Phoenix |
| LINX NoVA | 2013-10-10T00:00:00Z | https://www.linx.net/about/our-network/linx-nova/ | LINX Northern Virginia, Ashburn, Reston and Manassas | Northern Virginia |
| DE-CIX New York | 2013-11-13T00:00:00Z | https://www.de-cix.net/locations/new-york |  | New York |
| OmahaIX | 2013-11-26T00:00:00Z | http://www.omahaix.com | Omaha Internet Exchange | Omaha |
| SLIX - Salt Lake City Internet Exchange | 2014-02-16T00:00:00Z | http://slix.net | Salt Lake Internet Exchange | Salt Lake City |
| TPAIX | 2014-02-22T00:00:00Z | http://www.tpaix.net | Tampa Internet Exchange | Tampa |
| Ohio IX | 2014-05-26T00:00:00Z | http://ohioix.net/ | Ohio IX | Ohio |
| AMS-IX BA | 2014-09-18T00:00:00Z | http://bay.ams-ix.net | AMS-IX Bay Area | San Francisco, San Jose |
| TahoeIX | 2014-09-29T00:00:00Z | http://www.tahoeix.org | Tahoe Internet Exchange | Northern Nevada |
| AMS-IX Chicago | 2014-09-29T00:00:00Z | https://chi.ams-ix.net | AMS-IX Chicago | Chicago |
| FL-IX | 2014-10-08T00:00:00Z | http://www.communityix.org/index.php/about-fl-ix/ | FL-IX - The Florida Internet Exchange / Community IX - Florida | Miami |
| MiamiIX | 2014-10-16T00:00:00Z | http://www.miamiix.net | Miami Internet Exchange | Miami, Florida |
| MidWest-IX - Indy | 2014-11-26T00:00:00Z | http://www.fd-ix.com | MidWest-IX / FD-IX Indianapolis | Indianapolis, Indiana |
| DE-CIX Richmond | 2014-12-29T00:00:00Z | https://www.de-cix.net/locations/richmond |  | Ashland |
| DET-IX | 2015-01-12T00:00:00Z | http://www.detroitix.com | Detroit Internet Exchange | Detroit |
| NashIX | 2015-03-12T00:00:00Z | http://nashix.net | Nashville Internet Exchange | Nashville |
| MASS-IX | 2015-05-12T00:00:00Z | http://www.mass-ix.net | MASS IX, Boston/Massachusetts Internet Exchange | Boston |
| CyrusOne IX Sterling | 2015-07-29T00:00:00Z | http://www.cyrusone.com | CyrusOne Internet Exchange | Sterling |
| CyrusOne IX Chicago | 2015-09-22T00:00:00Z | http://www.cyrusone.com | CyrusOne Internet Exchange | Chicago |
| MegaIX Seattle | 2015-12-08T00:00:00Z | https://megaport.com | Megaport MegaIX Seattle | Seattle |
| MegaIX Los Angeles | 2015-12-08T00:00:00Z | https://megaport.com | Megaport MegaIX Los Angeles | Los Angeles |
| MegaIX Ashburn | 2015-12-08T00:00:00Z | https://www.megaport.com | Megaport MegaIX Ashburn | Ashburn |
| MegaIX Dallas | 2015-12-08T00:00:00Z | https://megaport.com | Megaport MegaIX Dallas | Dallas |
| IX-Denver | 2016-01-10T00:00:00Z | https://ix-denver.org | Interconnection eXchange Denver | Denver |
| MGMix Montgomery | 2016-01-24T00:00:00Z | http://www.mgmix.net | Montgomery Internet Exchange | Montgomery |
| DE-CIX Dallas | 2016-03-22T15:29:10Z | https://www.de-cix.net/en/locations/dallas |  | Dallas |
| SIX Seattle (Jumbo) | 2016-04-21T14:40:58Z | https://www.seattleix.net/ | Seattle Internet Exchange (MTU 9000) | Seattle |
| Vegas-IX | 2016-10-16T15:53:28Z | http://www.vegas-ix.net | Vegas-IX | Las Vegas |
| Aloha-IX | 2016-10-16T15:54:56Z | http://www.aloha-ix.net | Aloha-IX | Kapolei (Oahu) |
| Richmond-IX | 2016-10-16T15:56:10Z | http://www.richmond-ix.net | Richmond-IX | Richmond |
| MidWest-IX - St. Louis | 2016-11-17T15:14:16Z | http://www.midwest-ix.com | St. Louis Regional Internet Exchange | St. Louis, MO |
| MegaIX Las Vegas | 2017-02-09T04:23:24Z | https://megaport.com | Megaport MegaIX Las Vegas | Las Vegas |
| CIX-ATL | 2017-03-16T17:11:36Z | http://www.communityix.org | Community IX - Atlanta | Atlanta |
| NNENIX | 2017-03-28T18:37:21Z | http://www.nnenix.net | Northern New England Neutral Internet Exchange | Portland |
| PIT-IX | 2017-11-07T18:08:16Z | https://pit-ix.net | Pittsburgh Internet Exchange | Pittsburgh |
| Sacramento-IX | 2017-12-08T02:22:00Z | http://www.sacramento-ix.net |  | Sacramento |
| MEX-IX | 2017-12-11T21:46:58Z | http://www.mdcdatacenters.com | MEX-IX McAllen | McAllen |
| GPIEX | 2017-12-19T21:21:51Z | http://gpiex.net/ | Global Peering Managed Services Provider | Albany |
| PhillyIX | 2018-02-07T20:34:38Z | http://phillyix.net | Philadelphia Internet Exchange | Philadelphia |
| CFLIX (Central Florida Internet Exchange) | 2018-03-15T12:18:44Z | http://www.cflix.org | Central Florida Internet Exchange | Orlando |
| FCIX | 2018-04-16T14:56:27Z | http://fcix.net/ | Fremont Cabal Internet Exchange | Fremont |
| Equinix Denver | 2018-05-07T21:23:04Z | https://www.equinix.com | Equinix Internet Exchange Denver | Denver |
| Equinix Houston | 2018-05-07T21:23:57Z | https://www.equinix.com | Equinix Internet Exchange Houston | Houston |
| Baltimore IX | 2018-05-13T21:54:50Z | https://baltimoreix.net | Baltimore Internet Exchange | Baltimore |
| EVIX | 2018-07-19T16:24:58Z | https://evix.org | Experimental Virtual Internet Exchange | Fremont |
| MidWest-IX - OHIO | 2018-07-31T19:45:44Z | http://www.fd-ix.com | FD-IX - Ohio | Cleveland, Ohio |
| Charlotte-IX | 2018-08-20T17:11:54Z | http://www.charlotte-ix.net |  | Charlotte |
| Dallas-IX | 2018-08-20T17:27:42Z | http://www.dallas-ix.net | Dallas-IX | Dallas |
| Houston-IX | 2018-08-20T17:35:59Z | http://www.housoin-ix.net |  | Houston |
| CMH-IX | 2019-01-19T18:25:59Z | http://www.cmh-ix.net | Columbus Internet Exchange | Columbus |
| Digital Realty Chicago | 2019-03-29T11:02:59Z | https://ix.digitalrealty.com |  | Chicago |
| NYIIX Philadelphia | 2019-04-08T13:44:34Z | https://www.nyiix.net/locations/nyiix-philadelphia/ | New York International Internet eXchange - Philadelphia | Philadelphia |
| iX-OKC | 2019-04-15T17:30:19Z | https://www.iX-OKC.net | Internet Exchange Oklahoma City | Oklahoma City |
| Digital Realty Ashburn | 2019-04-28T00:04:54Z | https://ix.digitalrealty.com | Digital Realty Ashburn Internet Exchange | Ashburn |
| STLIX | 2019-05-09T01:40:13Z | http://www.stlix.net | Saint Louis Internet Exchange | Saint Louis, MO |
| SAT-IX (San Antonio) | 2019-06-16T01:31:37Z | https://sat-ix.net | San Antonio Internet Exchange | San Antonio, Texas |
| DACS-IX East | 2019-08-22T03:19:55Z | http://www.dacs-ix.com |  | Baltimore |
| QCIX | 2019-11-26T22:43:16Z | http://www.qcix.net | Quad Cities Internet eXchange | Davenport |
| IXP US FRE | 2019-11-28T07:07:30Z | https://www.ixp.cat |  | Fremont |
| Gig IX Ashburn | 2019-12-19T02:29:32Z | https://gigix.org |  | Ashburn |
| MUS-IX | 2020-02-11T20:32:29Z | http://www.mus-ix.net/index.php | MIDSOUTH U.S. Internet Exchange | Dallas, TX |
| HOUIX | 2020-02-18T00:40:03Z | http://www.houix.net | Houston Internet Exchange | Houston |
| ARIX | 2020-02-19T04:07:13Z | https://arix.dev/ | Amateur Radio Internet Exchange | Fremont/Portland/Flagstaff |
| North Carolina Statewide IX | 2020-03-04T18:53:08Z | http://nc-ix.org/ | North Carolina Internet Exchange | Charlotte |
| SpokaneIX | 2020-03-11T17:37:30Z | https://spokaneix.net/ | Spokane Internet Exchange | Spokane |
| DACS-IX South | 2020-03-24T23:06:32Z | http://www.dacs-ix.com |  | Orlando |
| DACS-IX North | 2020-03-25T02:42:10Z | http://www.dacs-ix.com |  | New York |
| HPT1-IX | 2020-05-29T17:00:51Z | http://www.hawaiiteleport.com | Hawaii Pacific Teleport IX-1 | honolulu |
| NEO-IX | 2020-06-14T03:05:25Z | http://www.neo-ix.com | North East Ohio Internet Exchange | Akron, Ohio |
| 48 IX | 2020-06-30T05:33:29Z | https://48ix.net |  | Phoenix |
| BBIX Los Angeles | 2020-07-02T05:20:36Z | http://www.bbix.net/en/ | BroadBand Internet eXchange Los Angeles | Los Angeles |
| BBIX Dallas | 2020-07-02T05:48:04Z | http://www.bbix.net/en/ | BroadBand Internet eXchange Dallas | Dallas |
| BBIX Chicago | 2020-07-02T05:51:10Z | http://www.bbix.net/en/ | BroadBand Internet eXchange Chicago | Chicago |
| BBIX Miami | 2020-07-02T05:53:19Z | http://www.bbix.net/en/ | BroadBand Internet eXchange Miami | Miami |
| SpringIX | 2020-07-02T16:17:08Z | http://www.springix.net | Springfield Internet eXchange | Springfield, MO |
| IX42 LAS | 2020-07-21T05:32:10Z | https://ix42.org | Internet eXchange 42 Las Vegas | Las Vegas |
| FD-IX - Iowa | 2020-08-10T18:37:07Z | https://fd-ix.com | Fiber Data Internet Exchange | Altoona |
| FD-IX (Texas-IX) | 2020-08-24T14:38:08Z | https://fd-ix.com | Texas-IX | Houston |
| SBIX FRE | 2020-09-14T09:31:52Z | https://www.securebit.ch/internet/exchange | Securebit Internet Exchange Fremont | Fremont |
| ABQIX | 2020-10-25T20:47:30Z | http://www.abqix.net |  | Albuquerque |
| DE-CIX Chicago | 2020-12-16T09:08:41Z | https://www.de-cix.net/en/locations/united-states/chicago |  | Chicago |
| RO-IX Vancouver | 2021-01-07T20:39:15Z | https://roix.net/locations/vancouver.html | Romania Internet Exchange | Vancouver |
| PaducahIX | 2021-01-13T22:35:43Z | https://paducahix.net | Paducah Internet Exchange | Paducah |
| Raleigh-IX | 2021-02-18T19:52:47Z | http://ninja-ix.net |  | Raleigh, NC |
| IX42 NYC | 2021-03-16T11:49:43Z | https://ix42.org | Internet eXchange 42 New York City | New York City |
| Willamette Internet Exchange | 2021-03-17T17:04:36Z | http://thewix.net |  | Eugene |
| Global Peer Exchange | 2021-04-02T16:59:10Z | https://globalpeerexchange.com/home | Global Peer Exchange | Washington |
| Denver IX | 2021-04-21T16:17:43Z | https://www.denverix.com |  | Denver |
| OPTIX | 2021-06-06T12:01:19Z | https://www.optix.co.rs | Open Peering & Transit Internet Exchange | Fremont |
| DesMoinesIX | 2021-07-01T21:59:35Z | http://www.desmoinesix.net | DesMoines Internet eXchange | Des Moines |
| FMIX | 2021-07-15T19:04:46Z | https://fmix.net | Fargo-Moorhead Internet Exchange | Fargo, ND |
| Lambda Internet Exchange | 2021-09-23T16:06:33Z | https://lambda-ix.net |  | Fremont |
| FREMIX | 2021-11-22T05:07:06Z | https://www.fremix.exchange | Fremont Metro Internet Exchange | Fremont |

德国的IXP数量:33，其详细信息如下：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **更新时间** | **官网网址** | **备注信息** | **城市** |
| DE-CIX Frankfurt | 2010-07-29T00:00:00Z | https://www.de-cix.net/en/locations/germany/frankfurt |  | Frankfurt |
| ECIX-MUC | 2010-07-29T00:00:00Z | https://www.ecix.net | ECIX-MUC (FKA INXS) | Munich |
| DE-CIX Hamburg | 2010-07-29T00:00:00Z | https://www.de-cix.net/locations/hamburg |  | Hamburg |
| BCIX | 2010-07-29T00:00:00Z | https://www.bcix.de/ | Berlin Commercial Internet Exchange | Berlin |
| ECIX-DUS | 2010-07-29T00:00:00Z | https://www.ecix.net/ | European Commercial Internet Exchange Duesseldorf | Duesseldorf |
| KleyReX | 2010-07-29T00:00:00Z | https://www.kleyrex.net/ | KleyReX Internet Exchange | Frankfurt |
| N-IX | 2010-07-29T00:00:00Z | http://www.n-ix.net | Nuernberger Internet Exchange [N-IX.de] | Nürnberg |
| OCIX Duesseldorf | 2010-07-29T00:00:00Z | http://www.opencarrier.eu/ | OpenCarrier eG Member IX Duesseldorf | Duesseldorf |
| ECIX-BER | 2010-07-29T00:00:00Z | https://www.ecix.net/ | European Commercial Internet Exchange Berlin | Berlin |
| Stuttgart-IX | 2010-07-29T00:00:00Z | http://www.stuttgart-ix.de/ | Stuttgarter Internet eXchange, Stuttgart-IX | Stuttgart |
| DE-CIX Munich | 2010-07-29T00:00:00Z | https://www.de-cix.net/locations/munich |  | Munich |
| ECIX-HAM | 2010-07-29T00:00:00Z | https://www.ecix.net/ | European Commercial Internet Exchange Hamburg | Hamburg |
| ECIX-FRA | 2013-04-09T00:00:00Z | https://www.ecix.net | European Commercial Internet Exchange Frankfurt | Frankfurt |
| DO-IX | 2013-09-16T00:00:00Z | https://www.do-ix.net | Dortmund Internet eXchange | Dortmund |
| BREM-IX | 2013-11-02T00:00:00Z | https://brem-ix.net/ | Bremen Internet Exchange | Bremen |
| OCIX Frankfurt | 2014-05-14T00:00:00Z | http://www.opencarrier.eu/ | OpenCarrier eG Member-IX Frankfurt | Frankfurt |
| CentralIX | 2015-10-16T00:00:00Z | http://www.centralIX.net | Central Internet Exchange | Bremen |
| United Peering - UP-IXP | 2015-10-22T00:00:00Z | https://united-peering.net/ | United Peering - free and open peering (UP-IXP) | Wuppertal |
| DE-CIX Dusseldorf | 2016-01-28T00:00:00Z | https://www.de-cix.net/locations/dusseldorf |  | Düsseldorf |
| Community-IX | 2016-06-06T08:54:17Z | https://www.community-ix.de/ | Non-commercial Community Exchange | Berlin, Frankfurt |
| BW-IX Karlsruhe | 2016-08-23T21:52:27Z | http://www.bw-ix.net/ | Baden-Württemberg Internet Exchange - Karlsruhe | Karlsruhe |
| Equinix Frankfurt | 2017-11-06T11:14:25Z | https://www.equinix.de/services/interconnection-connectivity/internet-exchange/ | Equinix Internet Exchange Frankfurt | Frankfurt |
| LocIX Frankfurt | 2018-02-01T13:31:42Z | https://locix.online | LocIX Internet Exchange Frankfurt | Frankfurt |
| MS-IX | 2019-02-18T17:04:45Z | https://ms-ix.net/ | Münster Internet Exchange | Münster |
| 36C3-YOLOIXP | 2019-07-20T12:21:50Z | https://bgp.wtf | 36c3 YOLOIXP | Leipzig |
| IXP NUR | 2019-10-09T15:39:45Z | https://www.ixp.cat |  | Nürnberg |
| LocIX Dusseldorf | 2019-11-09T21:07:14Z | https://locix.online | LocIX Internet Exchange Dusseldorf | Dusseldorf |
| SBIX DUS | 2020-04-09T12:55:20Z | https://www.securebit.ch/internet/exchange | Securebit Internet Exchange Dusseldorf | Dusseldorf |
| STACIX | 2020-07-06T15:08:25Z | https://stacix.net | Staclar Internet Exchange | Frankfurt |
| KA-NIX | 2020-09-11T10:29:41Z | http://ka-nix.de | Karlsruhe Neutral Internet Exchange | Karlsruhe |
| OceanIX | 2021-01-08T09:57:34Z | https://www.optixtransit.eu | OceanIX | Düsseldorf |
| Ruhr-CIX | 2021-01-13T11:58:18Z | https://www.ruhr-cix.net |  | Ruhr Region |
| SaarCix | 2021-07-15T18:09:04Z | https://www.saarcix.de |  | Saarbrücken |

巴西的IXP数量:43，其详细信息如下：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **更新时间** | **官网网址** | **备注信息** | **城市** |
| Equinix São Paulo | 2010-07-29T00:00:00Z | https://www.equinix.com.br | Equinix Internet Exchange Sao Paulo | São Paulo |
| IX.br (PTT.br) São Paulo | 2010-12-11T00:00:00Z | http://ix.br | IX.br (PTT.br) São Paulo | São Paulo/SP |
| IX.br (PTT.br) Porto Alegre | 2010-12-11T00:00:00Z | http://ix.br | IX.br (PTT.br) Porto Alegre | Porto Alegre/RS |
| IX.br (PTT.br) Curitiba | 2010-12-11T00:00:00Z | http://ix.br | IX.br (PTT.br) Curitiba | Curitiba |
| IX.br (PTT.br) Florianópolis | 2010-12-11T00:00:00Z | http://ix.br | IX.br (PTT.br) Florianópolis | Florianópolis/SC |
| IX.br (PTT.br) Belo Horizonte | 2010-12-11T00:00:00Z | http://ix.br | IX.br (PTT.br) Belo Horizonte | Belo Horizonte/MG |
| IX.br (PTT.br) Rio de Janeiro | 2010-12-11T00:00:00Z | http://ix.br/ | IX.br (PTT.br) Rio de Janeiro | Rio de Janeiro/RJ |
| IX.br (PTT.br) Brasília | 2010-12-11T00:00:00Z | http://ix.br | IX.br (PTT.br) Brasília | Brasília/DF |
| IX.br (PTT.br) Londrina | 2010-07-29T00:00:00Z | http://ix.br | IX.br (PTT.br) Londrina | Londrina/PR |
| IX.br (PTT.br) Campinas | 2010-07-31T00:00:00Z | http://ix.br | IX.br (PTT.br) Campinas | Campinas/SP |
| IX.br (PTT.br) Salvador | 2012-01-16T00:00:00Z | http://ix.br | IX.br (PTT.br) Salvador | Salvador/BA |
| IX.br (PTT.br) Caxias do Sul | 2012-01-24T00:00:00Z | http://ix.br | IX.br (PTT.br) Caxias do Sul | Caxias do Sul/RS |
| IX.br (PTT.br) Goiânia | 2012-03-25T00:00:00Z | http://ix.br | IX.br (PTT.br) Goiânia | Goiânia/GO |
| IX.br (PTT.br) Campina Grande | 2012-07-30T00:00:00Z | http://ix.br | IX.br (PTT.br) Campina Grande | Campina Grande/PB |
| IX.br (PTT.br) São José dos Campos | 2012-12-17T00:00:00Z | http://ix.br | IX.br (PTT.br) Sao José dos Campos | Sao José dos Campos/SP |
| IX.br (PTT.br) Recife | 2013-06-15T00:00:00Z | http://ix.br | IX.br (PTT.br) Recife | Recife/PE |
| IX.br (PTT.br) Vitória | 2013-06-15T00:00:00Z | http://ix.br | IX.br (PTT.br) Vitória | Vitória/ES |
| IX.br (PTT.br) Manaus | 2013-06-15T00:00:00Z | http://ix.br | IX.br (PTT.br) Manaus | Manaus/AM |
| IX.br (PTT.br) Natal | 2013-06-15T00:00:00Z | http://ix.br | IX.br (PTT.br) Natal | Natal/RN |
| IX.br (PTT.br) São José do Rio Preto | 2013-06-15T00:00:00Z | http://ix.br | IX.br (PTT.br) São José do Rio Preto | São José do Rio Preto/SP |
| IX.br (PTT.br) Fortaleza | 2013-06-16T00:00:00Z | http://ix.br | IX.br (PTT.br) Fortaleza | Fortaleza/CE |
| IX.br (PTT.br) Belém | 2013-06-16T00:00:00Z | http://ix.br | IX.br (PTT.br) Belém | Belém/PA |
| IX.br (PTT.br) Lajeado | 2013-10-22T00:00:00Z | http://ix.br/ | IX.br (PTT.br) Lajeado | Lajeado/RS |
| IX.br (PTT.br) Maringá | 2014-01-08T00:00:00Z | http://ix.br/ | IX.br (PTT.br) Maringá | Maringá/PR |
| IX.br (PTT.br) Cuiabá | 2014-04-25T00:00:00Z | http://ix.br | IX.br (PTT.br) Cuiabá | Cuiabá/MT |
| IX.br (PTT.br) Foz do Iguaçu | 2016-04-13T10:59:21Z | http://ix.br/ | IX.br (PTT.br) Foz do Iguaçu | Foz do Iguaçu/PR |
| IX.br (PTT.br) Aracaju | 2017-03-29T15:38:50Z | http://ix.br/ | IX.br (PTT.br) Aracaju | Aracaju/SE |
| IX Palmas | 2017-07-06T11:15:07Z | http://www.microtel.net.br/ | IX Palmas Microtel | Palmas |
| IX.br (PTT.br) Santa Maria | 2017-08-08T18:24:38Z | http://ix.br/ | IX.br (PTT.br) Santa Maria | Santa Maria/RS |
| IX.br (PTT.br) João Pessoa | 2017-10-27T17:08:20Z | http://ix.br/ | IX.br (PTT.br) João Pessoa | João Pessoa/PB |
| IX.br (PTT.br) Teresina | 2018-01-23T10:56:25Z | http://ix.br/ | IX.br (PTT.br) Teresina | Teresina/PI |
| IX.br (PTT.br) São Luís | 2018-02-05T16:33:07Z | http://ix.br/ | IX.br (PTT.br) São Luís | São Luís/MA |
| IX.br (PTT.br) Maceió | 2018-08-06T12:42:57Z | http://ix.br/ | IX.br (PTT.br) Maceió | Maceió/AL |
| UEPG Internet Exchange | 2019-09-26T17:02:20Z | https://ix.uepg.br | UEPG Internet Exchange | Ponta Grossa/PR |
| FURB IX | 2019-12-19T17:58:52Z | https://ix.furb.br/ |  | Blumenau |
| IX.br (PTT.br) Cascavel | 2020-02-04T18:51:00Z | http://ix.br | IX.br (PTT.br) Cascavel | Cascavel/PR |
| IX.br (PTT.br) Campo Grande | 2020-03-18T21:30:55Z | http://ix.br | IX.br (PTT.br) Campo Grande | Campo Grande/MS |
| Equinix Rio de Janeiro | 2020-07-06T17:23:45Z | https://www.equinix.com.br | Equinix Internet Exchange Rio de Janeiro | Rio de Janeiro |
| IXRR Internet Exchange Roraima | 2020-07-23T23:19:44Z | https://www.ixrr.com.br/ | IXRR Internet Exchange Roraima | Boa Vista |
| IX-LGS | 2021-08-27T18:13:01Z | https://ix-lgs.com.br |  | Lages |
| IX.br (PTT.br) Boa Vista | 2021-09-01T18:25:36Z | http://ix.br | IX.br (PTT.br) Boa Vista | Boa Vista/RR |
| IX.br (PTT.br) Palmas | 2021-11-17T16:54:07Z | http://ix.br | IX.br (PTT.br) Palmas | Palmas/TO |
| PTT Roraima | 2021-11-23T07:28:53Z | https://ptt.mprr.mp.br |  | Boa Vista |

加拿大的IXP数量:22，其详细信息如下：

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **名称** | **更新时间** | **官网网址** | **备注信息** | **城市** |
| TorIX | 2010-07-29T00:00:00Z | https://www.torix.ca/ | Toronto Internet Exchange Community | Toronto |
| PIX Montreal | 2010-07-29T00:00:00Z | http://www.peer1.com | Peer1 Internet Exchange - Montreal | Montreal |
| PIX Toronto | 2010-07-29T00:00:00Z | http://www.peer1.com | Peer1 Internet Exchange - Toronto | Toronto |
| QIX | 2010-07-29T00:00:00Z | https://www.qix.ca/?lang=en | Quebec Internet eXchange (QIX) | Montreal |
| Equinix Toronto | 2010-07-29T00:00:00Z | https://www.equinix.com/data-centers/americas-colocation/canada-colocation/toronto-data-centers | Equinix Internet Exchange Toronto | Toronto |
| GTIIX | 2011-05-04T00:00:00Z | http://www.iixnetworx.net/peer/our-ixps/gtiix/ | Greater Toronto International Internet Exchange | Toronto |
| YYCIX | 2013-01-02T00:00:00Z | http://yycix.ca | YYCIX Calgary Internet Exchange | Calgary |
| MBIX | 2013-06-01T00:00:00Z | http://www.mbix.ca/ | Manitoba Internet Exchange | Winnipeg, Manitoba |
| WPGIX | 2013-10-06T00:00:00Z | http://wpgix.ca | Winnipeg Internet Exchange | Winnipeg |
| VANIX | 2014-05-02T00:00:00Z | http://www.vanix.ca | Vancouver Internet Exchange | Vancouver |
| HFXIX | 2014-07-30T00:00:00Z | http://www.aixp.ca | Halifax Internet Exchange | Halifax |
| YEGIX | 2015-11-02T00:00:00Z | http://www.yegix.ca/ | YEGIX Edmonton Internet Exchange | Edmonton |
| MegaIX Toronto | 2016-05-12T14:56:25Z | https://megaport.com | Megaport MegaIX Toronto | Toronto |
| YXEIX | 2017-07-24T19:28:13Z | http://yxeix.ca | Saskatoon Internet Exchange Inc | Saskatoon |
| MonctonIX | 2018-01-18T19:29:41Z | http://monctonix.ca | Moncton Internet Exchange | Moncton |
| SJIX | 2018-11-02T22:48:44Z | http://aixp.ca | Saint John Internet Exchange | Saint John, NB |
| UNM-Exch Canada-West | 2018-12-10T15:25:53Z | http://unmetered.exchange | UNMETERED.Exchange | Vancouver |
| OGIX | 2019-05-08T23:04:12Z | http://www.ogix.ca | Ottawa-Gatineau Internet Exchange | Ottawa Gatineau |
| CSIX | 2019-12-14T08:35:37Z | https://cloudsingularity.exchange | CloudSingularity Internet Exchange | Vancouver |
| IXP BEA | 2020-01-14T18:59:10Z | https://www.ixp.cat |  | Beauharnois |
| Waterloo Internet Exchange | 2020-11-16T20:22:36Z | http://www.waterlooix.ca |  | Waterloo |
| FNIX | 2021-10-15T02:31:30Z | http://fnix.ca | First Nations Internet Exchange | Vancouver |

# - - - - - - -6)全球IXP的IPV6支持情况- - - - - - - - - - - -

已支持IPV6的IXP数量：787

未支持IPV6的IXP数量：134

# - - - - - - -7)案例1：阿姆斯特丹交换中心（AMS-IX）数据统计分析- - - -

IXP名称(简称):AMS-IX

IXP名称(全称):Amsterdam Internet Exchange

IXP所在城市及国家:Amsterdam, NL, Europe

是否支持IPV6:True

官方网站:http://www.ams-ix.net/

该IXP流量信息展示页面:https://www.ams-ix.net/statistics/

该IXP接入网络数量:822

该IXP网络基础设施点:

1> NIKHEF Amsterdam, Amsterdam, NL

2> Interxion Amsterdam Science Park Campus (AMS17), Amsterdam, NL

3> Equinix AM7 - Amsterdam, Kuiperberweg, Amsterdam, NL

4> Global Switch Amsterdam, Amsterdam, NL

5> Interxion Amsterdam Schiphol Campus (AMS3, AMS5, AMS6, AMS7, AMS8, AMS10), Amsterdam, NL

6> Interxion Amsterdam Science Park Campus (AMS9), Amsterdam, NL

7> Iron Mountain Data Center - Amsterdam (AMS-1), Amsterdam, NL

8> Equinix AM1/AM2 - Amsterdam, Luttenbergweg, Amsterdam, NL

9> euNetworks Amsterdam, Amsterdam, NL

10> Interxion Amsterdam Amstel Business Park (AMS18), Amsterdam, NL

11> Smartdc Data center Rotterdam, Rotterdam, NL

12> NorthC Amsterdam, Amsterdam, NL

13> Equinix AM5 - Amsterdam, Schepenbergweg, Amsterdam, NL

14> Equinix AM3 - Amsterdam, Science Park, Amsterdam, NL

15> Equinix AM6 - Amsterdam, Duivendrechtsekade, Amsterdam, NL

# - - - - - - -8)案例2：香港交换中心（HK-IX）数据统计分析- -

IXP名称(简称):HKIX

IXP名称(全称):Hong Kong Internet Exchange

IXP所在城市及国家:Hong Kong, HK, Asia Pacific

是否支持IPV6:True

官方网站:https://www.hkix.net/

该IXP流量信息展示页面:https://www.hkix.net/hkix/stat/aggt/hkix-aggregate.html

该IXP接入网络数量:270

该IXP网络基础设施点:

1> MEGA-i (iAdvantage Hong Kong), Hong Kong, HK

2> CUHK, Hong Kong, HK

3> MEGA Two (iAdvantage Hong Kong), Hong Kong, HK

4> Telehouse - Hong Kong CCC (HKCOLO TKO), Hong Kong, HK

# - - - - - - -9)案例3：莫斯科交换中心（MSK-IX Moscow）数据统计分析- -

IXP名称(简称):MSK-IX Moscow

IXP名称(全称):MSK-IX Moscow

IXP所在城市及国家:Moscow, RU, Europe

是否支持IPV6:True

官方网站:http://www.msk-ix.ru/en

该IXP流量信息展示页面:http://www.msk-ix.ru/en/traffic

该IXP接入网络数量:319

该IXP网络基础设施点:

1> Moscow M9, Moscow, RU

2> Linxdatacenter (Moscow), Moscow, RU

3> CSS MPS Moscow, Moscow, RU

4> Moscow M10, Moscow, RU

5> Moscow CSS MPS, Moscow, RU

6> Moscow TehnoGorod, Moscow, RU

7> StoreData, Moscow, RU

8> M100 datacenter Moscow, Varshavskoe 125, Moscow, RU

9> IXcellerate, Moscow, RU

10> DataSpace1, Moscow, RU

11> DataLine Moscow DC OST, Moscow, RU

12> DataLine Moscow DC NORD, Moscow, RU

13> KIAEHOUSE, Moscow, RU

14> Telehouse - Moscow, Moscow, RU