

# VISION **BACKBONE NETWORKS IN RUSSIA**

## 10:2020-нестандартная аналитика

# МАГИСТРАЛЬНЫЕ СЕТИ СВЯЗИ В РОССИИ

General Partner  
Генеральный партнер

Strategic Partners

Стратегические партнеры

### Backbone Networks in Russia

Legend Обозначения	Operator Оператор	Trade mark Торговая марка	Length of the backbone network (thousand km) Протяженность магистральной сети (тыс. км)	Data transmission equipment suppliers Производители передающего оборудования	Cross-border fiber optic links Зарубежные операторы, с сетями которых имеются физические стыки за пределами территории РФ	Internet Exchange Points (IXP), the backbone connected to Точки обмена трафиком, к которым подключены сети оператора
	Rostelecom PJSC Ростелеком, ПАО	MTS	500.00	Coriant, ECI Telecom, Huawei, Infinera, NEC, Nokia Networks, TB	Azerbaijan: Azertelecom, Delta Telecom; Belarus: Beltelecom, National Traffic Exchange Center (NTEC); China: China Telecom, China Unicom; Estonia: Telia; Finland: Telia; Georgia: Foptnet; Germany: CenturyLink, GT, Tata Communications, Telecom Italia, Teli, Vodafone; Japan: KDDI; Kazakhstan: Kazakhtelecom, KazTransCom, TNS Plus, Transtelecom; Latvia: Lattelecom; Lithuania: Teo; Mongolia: Gemnet; Poland: Exatel; Sweden: Telia, GT, Vodafone; Ukraine: Eurotranscom, Ukrtelecom, Vega (Farlep Invest)	Russian: DATAIX, MSK-IX Foreign: Germany: DE-CIX, NL-IX, Hong Kong: BBOX Hong Kong, Equinix Hong Kong, HKIX, Japan: BBOX Tokyo, Equinix Tokyo, JP NAP; Netherlands: AMS-IX; Sweden: NetNod; United Kingdom: LINX
	Mobile TeleSystems PJSC Мобильные ТелеСистемы, ПАО	BTE MTC	248.00	Alcatel-Lucent, Cisco, ECI Telecom, Huawei, Juniper	Belarus: Beltelecom, National Traffic Exchange Center (NTEC); China: China Unicom; Finland: Avelacom, CenturyLink, CITIC, Exatel, Hibernia, Rascom, Teli, VF Ukraine (Vodafone); Netherlands: CenturyLink, CITIC, Hibernia, Teli, Sweden: Avelacom, CenturyLink, TDC; Ukraine: VF Ukraine (Vodafone); United Kingdom: CenturyLink, CITIC, USA: CenturyLink, CITIC, Teli	Russian: MSK-IX, MSK-IX Ekaterinburg, MSK-IX Novosibirsk Foreign: Finland: HKIX; Germany: DE-CIX; Hong Kong: HKIX; Netherlands: AMS-IX; Sweden: NetNod; United Kingdom: LINX, USA: Any2, DE-CIX NY, Equinix Ashburn, Equinix NY, NYIX
	VimpelCom PJSC ВымпелКом, ПАО	Beeline Билайн	190.80	Alcatel-Lucent, Ciena, Cisco, ECI Telecom, Huawei, Juniper	Azerbaijan: Delta Telecom; Germany: Telekom Italia, Vodafone; Kazakhstan: Kazakhtelecom, KazTransCom, TNS Plus, Transtelecom; Netherlands: CenturyLink; Sweden: CenturyLink, Telecom Italia, Telenor (Vodafone); Ukraine: Kyivstar, Lifecell, Vega (Farlep Invest)	Russian: MSK-IX Foreign: Austria: VIX; Belgium: BBOX; Bulgaria: BIX BG; France: France-IX, Germany: B-CIX, Hong Kong: Equinix Hong Kong, HKIX; Hungary: BIX; Italy: MIX; Netherlands: AMS-IX; Norway: NIX; Poland: PLIX; Romania: RONIX; Spain: Espanix; Sweden: NetNod; Switzerland: SwissIX; United Kingdom: LINX; USA: Equinix Ashburn
	MegaFon PJSC МегаФон, ПАО	МегаФон	140.40	Cisco, Huawei, Juniper	Azerbaijan: Azertelecom; Belarus: Beltelecom, National Traffic Exchange Center (NTEC); Estonia: Telia; Georgia: Silknet; Kazakhstan: Kazakhtelecom, KazTransCom, TNS Plus, Transtelecom; Latvia: Lattelecom; Lithuania: DCC, Teo; Mongolia: Gemnet, Mobicom; Poland: Exatel, Orange; Ukraine: MF Telecom	Russian: MSK-IX Foreign: France: DE-CIX Marseille; Germany: DE-CIX Dusseldorf, DE-CIX Frankfurt, DE-CIX Hamburg, DE-CIX Munich; Hong Kong: HKIX; Netherlands: AMS-IX; Sweden: NetNod; United Kingdom: LINX; USA: DE-CIX NY
	Компания ТрансТелеКом JSC Компания ТрансТелеКом, АО	ТТК	78.00	Alcatel-Lucent, Ciena, Cisco, ECI Telecom, Huawei, ZTE	Abkhaz: A-Mobile, Aquafon-GSM; Azerbaijan: Delta Telecom; Belarus: Beltelecom, National Traffic Exchange Center (NTEC); China: China Telecom, China Tietong Telecommunications Corporation, China Unicom; Estonia: Estonian Railways; Finland: DNA, TDC, Teli, Japan: NTT Communications Corporation; Kazakhstan: Kazakhtelecom, TNS Plus, Transtelecom; Latvia: Latvian Railway; Lithuania: Data Logistix, Lithuanian Railways, Teo; Mongolia: Gemnet, Information Communication Network, Mobicom, Mongolian Railcom (Ulaanbaatar Railway); North Korea: Korea Posts and Telecommunications; Poland: Exatel; Ukraine: Eurotranscom, Kyivstar, Ukrainian Railway, Vega (Farlep Invest); Vietnam: IP-Only, MCL, NORDNET, TDC; Switzerland: Gas & Com, Swisscom; Ukraine: RETN, Ukrtelecom, Volia; United Kingdom: AT&T, British Telecom, Colt, EE, Flag Telecom, Interoute, Sky, TalkTalk, Telecom Malaysia, Teltar, VirginMedia, Vodafone, Zayo; USA: Embratel, Hurricane Electric, IJ, ShawCableSystems, TIS, Time Warner, TW Telecom, Videotron, Zayo	Russian: DATAIX, Ekaterinburg, MSK-IX Moscow, MSK-IX Novosibirsk, MSK-IX Rostov-on-Don, MSK-IX Saint-Petersburg, MSK-IX Samara, OMSK-IX, PIRX, RED-IX, Sibir-IX, W-IX Foreign: France: France-IX, Germany: DE-CIX, Hong Kong: Equinix Hong Kong, HKIX, Japan: BBOX, Equinix Tokyo; Netherlands: AMS-IX; Poland: Equinix Warsaw, PLIX; Sweden: NetNod; United Kingdom: LINX
	ER-Telecom Holding JSC ЭР-Телеком Холдинг, АО	Dom.ru Дом.ру	58.18	Ciena, Ekinox, Huawei, Juniper	Belarus: RETN; Finland: RETN; Teli, Germany: CenturyLink, Cogent Communications, Verizon; Poland: Teli; Sweden: CenturyLink, Cogent Communications, Verizon; Ukraine: RETN	Russian: DATAIX, Ekaterinburg, MSK-IX Moscow, MSK-IX Novosibirsk, MSK-IX Rostov-on-Don, MSK-IX Saint-Petersburg, MSK-IX Samara, OMSK-IX, PIRX, RED-IX, Sibir-IX, W-IX Foreign: France: France-IX, Germany: DE-CIX, Hong Kong: Equinix Hong Kong, HKIX, Japan: BBOX, Equinix Tokyo; Netherlands: AMS-IX; Poland: Equinix Warsaw, PLIX; Sweden: NetNod; United Kingdom: LINX
	Milecom LLC Милеком, ООО		30.00	Ciena, Infinera, Juniper	Kazakhstan: Kazakhtelecom	Russian: MSK-IX Foreign: France: DE-CIX Marseille; Germany: DE-CIX Dusseldorf, DE-CIX Frankfurt, DE-CIX Hamburg, DE-CIX Munich; Hong Kong: HKIX; Netherlands: AMS-IX; Sweden: NetNod; United Kingdom: LINX; USA: DE-CIX NY
	RetNet JSC Ретнет, АО	RETN	290.0*	Ciena, Infinera, Juniper	Belarus: Beltelecom, National Traffic Exchange Center (NTEC); Bulgaria: Novotel, Vivacom; China/Hong Kong: China Mobile, China Telecom, China Unicom, HKBN, NTT Communications Corporation, PCWC, Telecom Indonesia, Wharf T&T; Czech Republic: CETIN, DiaTelecom, Itself; Denmark: GlobalConnect, TDC; Estonia: Globalcom, Starman, Telegor; Finland: DNA, Elisa, FUNET, FINE-Finland, NORDNET; France: Bouygues Telecom, SFR Group; Germany: China Mobile, China Telecom, DTAG, GTT, KDDI, KPN, MCI, Tata Communications, Telecom Italia, Telecommunication Postka, Telefonica Deutschland, Telus Cable, Vodafone; Hungary: Magyar Telekom, MVMNet, RCS & RDS, Tivolyi, UPC; Japan: II, K-Opticom, KDDI, NTT Communications Corporation, Sony; Kazakhstan: Kazakhtelecom, TNS Plus, Transtelecom; Latvia: Globalcom, LVRTC; Lithuania: BTA, Lietuvos Egitis, NTS-37 Nacionalinis Telekomunikacijų Tiekimo Centras; Netherlands: CenturyLink, GTI, KPN, MCI Europe, Serenvis, TDC, UPC; Poland: ATMAN, CITIC, Haver Telecom, MultiMedia, Netia, Orange Polska, UPC; Slovakia: Dial Telecom, Energocel, Vnet; Sweden: IP-Only, MCL, NORDNET, TDC; Switzerland: Gas & Com, Swisscom; Ukraine: RETN, Ukrtelecom, Volia; United Kingdom: AT&T, British Telecom, Colt, EE, Flag Telecom, Interoute, Sky, TalkTalk, Telecom Malaysia, Teltar, VirginMedia, Vodafone, Zayo; USA: Embratel, Hurricane Electric, IJ, ShawCableSystems, TIS, Time Warner, TW Telecom, Videotron, Zayo	Russian: MSK-IX Foreign: Australia: VIX; Belgium: BBOX; France: France-IX; Germany: B-CIX, Hong Kong: BBOX Hong Kong, HKIX; Hungary: BIX; Ireland: HIX; Italy: MIX-IT; Japan: BBOX Tokyo, JPX, JP NAP; Netherlands: AMS-IX, NL-IX; Singapore: BBOX, Equinix, SGIX; South Korea: KIX; Spain: Espanix; Sweden: NetNod; Switzerland: SwissIX; United Kingdom: LINX, USA: NYIX
	Transnet Telecom LLC Транснет Телеком, ООО		17.63	Ciena, Coriant, Huawei, Juniper	Belarus: Beltelecom, National Traffic Exchange Center (NTEC); Finland: Ciena; Kazakhstan: Kazakhtelecom, KazTransCom, TNS Plus, Transtelecom	Russian: MSK-IX, MSK-IX Ekaterinburg, MSK-IX Novosibirsk, MSK-IX Rostov-on-Don, MSK-IX Saint-Petersburg, MSK-IX Samara, OMSK-IX, PIRX, RED-IX, Sibir-IX, W-IX Foreign: Germany: DE-CIX, Netherlands: AMS-IX; United Kingdom: LINX
	Zummer LLC Зуммер, ООО	Zummer	16.92	Ciena, PacketLight Networks	Kazakhstan: Transtelecom	Russian: Cloud-IX, MSK-IX, MSK-IX Ekaterinburg, Piter-IX, RB-IX, W-IX Foreign: Germany: DE-CIX, Netherlands: AMS-IX; United Kingdom: LINX
	Communications for Innovations CSC Коммуникации для инноваций, ЗАО	Inoventica	13.00	ADVA Networks, Nokia Networks, TB	no	no
	Equant LLC Эквант, ООО	Orange Business Services	10.10	Cisco, ECI Telecom, Huawei, Juniper, NEC	China: Orange Business Services; Finland: Orange Business Services, TDC; Germany: Ancotel, Orange Business Services; Kazakhstan: Orange Business Services, Transtelecom; Ukraine: Orange Business Services	Russian: DATAIX, Eurasia Peering IX, MSK-IX Ekaterinburg, MSK-IX Kazan, MSK-IX Novosibirsk, MSK-IX Saint-Petersburg, MSK-IX Samara, MSK-IX Stavropol, MSK-IX Vladivostok, NN-IX, RND-IX, SEA-IX, ULN-IX Foreign: Germany: DE-CIX, Netherlands: AMS-IX
	Mobilcom-2000 LLC Мобилком-2000, ООО	IT «Мордва»	9.45	BTI Systems, Ciena, Cisco, Ekinox, Juniper	no	Russian: MSK-IX, MSK-IX Ekaterinburg, MSK-IX Novosibirsk, MSK-IX Saint-Petersburg
	Kvant-Telecom JSC Квант-Телеком, АО		7.60	BTI Systems, Ciena, Cisco, Ekinox, Juniper, Nokia Networks	Azerbaijan: Azertelecom, Delta Telecom; China: China Mobile, China Telecom, China Tietong Telecommunications Corporation, China Unicom; Germany: CenturyLink, Cogent Communications, IPP, NewTelco, Telecom Italia; Kazakhstan: Kazakhtelecom, KazTransCom, TNS Plus, Transtelecom; Kyrgyzstan: Elkat, IP NET, Kyrgyztelecom; Netherlands: CenturyLink; Ukraine: Datagroup	Russian: DATAIX, Eurasia Peering IX, MSK-IX, MSK-IX Saint-Petersburg, Piter-IX Moscow, Piter-IX Saint-Petersburg, SFO-IX Foreign: Germany: DE-CIX, Hong Kong: Equinix Hong Kong, MEGA-IX; Netherlands: AMS-IX, Speed-IX; Sweden: Equinix Stockholm, NetNod; Ukraine: DTEL-IX, GigaNet
	Kvant-Telecom JSC Квант-Телеком, АО	2KOM, Cifra 1 2KOM, Цифра один	4.80	Cisco, Ericsson, Extreme, Juniper	no	Russian: Cloud-IX, DATAIX, DataLine-IX, MSK-IX
	Rascom CSC РАСКОМ ПАККОМ		4.40**	Ciena	Azerbaijan: Delta Telecom; China: China Mobile, China Telecom, China Tietong Telecommunications Corporation, China Unicom, CITIC, Cogent Communications, Lumen, NewTelco, PCWC, Tata Communications, Telecom Italia, Telekom Srbija; Netherlands: China Unicom, Euronetworks, GTT, KPN, Lumen, Zayo; Sweden: BT Global Services, China Unicom, CITIC, Cogent Communications, Colt, GTT, IP-Only, Lattelecom, Lumen, Teli, Ukraine: Datagroup, Vega (Farlep Invest)	Russian: DATAIX, MSK-IX Foreign: Czech Republic: NIX CZ, Peering.cz; Finland: FICIA; France: France-IX; Germany: DE-CIX, Netherlands: AMS-IX, NL-IX; Sweden: NetNod; Ukraine: DTEL-IX, GigaNet; United Kingdom: LINX, USA: DE-CIX NY
	GlobalNet LLC ГлобалНет, ООО	GlobalNet	4.20	Ciena	Sweden: CenturyLink, Telecom Italia, Vodafone	Russian: DATAIX, Global IX, MSK-IX Foreign: Germany: DE-CIX, Netherlands: AMS-IX; Sweden: NetNod, SOLIX; United Kingdom: LINX
	EDPhet LLC ЭДФет, ООО		4.16	Cisco	Finland: EDPhet	Russian: MSK-IX, MSK-IX Saint-Petersburg Foreign: Belgium: BINI; Netherlands: AMS-IX; United Kingdom: LINX
	UJ-com Media JSC ЮП-ком Медиа, АО		2.50	Ciena	Belarus: Beltelecom; Latvia: Lattelecom, LVRTC; Sweden: IP-Only; United Kingdom: CenturyLink	Russian: MSK-IX Foreign: Germany: DE-CIX, Netherlands: AMS-IX; Sweden: NetNod
	Miranda-media LLC Миранда-медиа, ООО		2.11	Huawei, Juniper, TB	Estonia: Teli; Finland: Teli; Sweden: Teli	no
	Telia Carrier Russia JSC Телиа Карриер Русиа, АО	Telia Carrier	2.00	Coriant Networks	Estonia: Teli; Finland: Teli; Sweden: Teli	no
	Edinvo LLC Единое, ООО	Norimtel Нориктел	1.00	Nokia Networks	no	no

### Магистральные сети связи в России

