2017

2017 08

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	-5,706,524.32	
	67,311,535.25	
	10,717,714.26	
	7,597.07	
	60,726,117.08	--

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ODN

ODN

ODN

DPI E+

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2010

FTTH xDSL xDSL

xDSL

FTTx FTTH

2013 8 17 8

2020 70% 98%

50Mbps 12Mbps 1Gbps

2020

4G 1000 / Mbps

100Mbps 98%

100Mbps 50Mbps

2015 4.7 7320.1 18.3% xDSL

3903.7 9870.5

3G 4G

2 ODN

+ +

FTTx

FTTx FTTCab FTTC FTTB FTTH

FTTH ODN

FTTH 2015

21,337.2 FTTH 11,972.40 55%

11.05% GDP 2013-2015

FTTH 71.29% FTTH ODN

2020 80%

70% 85%

FTTH ODN

ODN

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DPI

2014 2 27 2015 7 1

2015 8

2012 23

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50

70%-80%

2011

2 ODN

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ODN

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	49%
[redacted]	135%

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2017 6 364
44 21 4 62 29
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2017 6 9 2 1 6

2017 6 54 16 5 33 54
20 34 5

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MS
EG&G PK

2009
120mm-200mm 2100m/min

2014 11

100%

	2,039,903,376.67	2,070,273,501.36	-1.47%	
	1,443,073,574.68	1,458,711,079.09	-1.07%	
	92,433,692.39	83,438,761.88	10.78%	

	2,039,903,376.67	100%	2,070,273,501.36	100%	-1.47%
	1,405,382,469.92	68.89%	1,302,939,700.12	62.94%	7.86%
	314,340,936.67	15.41%	549,640,641.04	26.55%	

	314,340,936.67	198,245,489.60	36.93%	-42.81%	-40.20%	-2.76%
	194,863,354.67	93,184,964.18	52.18%	37.46%	2.67%	16.21%
	113,453,184.28	44,973,317.38	60.36%	0.00%	0.00%	0.00%
	2,033,653,551.80	1,435,174,353.89	29.43%	0.82%	1.07%	-0.17%

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	13.71%	-1.43%	
	25.07%	-1.90%	

	526,200.00	-280,200.00		0.00	12,726,100.00	10,313,200.00	246,000.00
	526,200.00	-280,200.00		0.00	12,726,100.00	10,313,200.00	246,000.00
	0.00	0.00					0.00

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	314,358,807.43	
	169,202,796.97	

	1.17
	89,776.54
	0
	0
	0.00%
2017 06 30 1.17 0.00	

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	57,912.00
	10,698.57

6.4.9

1%

600 111.64

2016 3 6.4.9

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	( )		(1)		(2)	(3) (2)/(1)	

	35,000 12 2016 3 1 2016 4 18 2015 30,000 12 25,000 2017 2 3,500 2017 4 21,500
	2017 06 30 9,000

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10%

13,000,000 236,045,537.91 218,337,796.22 112,699,427.12 47,708,831.48 40,522,959.15

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2017		43.48%	2017 04 21	2017 04 22	2017 4 22 2017 2017-047

2017 6 6

2016 43.36% 2017 06 02 2017 06 03 2016

2017-064

2017 8 2

2017 8 3 2017-091

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696.15 2017 8 10

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2017-093

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2017

63.8

2017

81.40

2017 7.41

2016

70.79

10%

10%

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	2017 04 08	20,000	2016 10 22	9,000				
	2017 04 08	40,000	2016 10 22	3,500	[redacted]			[redacted]

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	40,589,289	3.41%	69,866,421			-3,020,862	66,845,559	107,434,848	8.52%
3	40,589,289	3.41%	69,866,421			-3,020,862	66,845,559	107,434,848	8.52%
			41,361,991			-3,020,862	38,341,129	38,341,129	3.04%
	40,589,289	3.41%	28,504,430				28,504,430	69,093,719	5.48%
	1,151,253,434	96.59%				3,020,862	3,020,862	1,154,274,296	91.48%
1	1,151,253,434	96.59%				3,020,862	3,020,862	1,154,274,296	91.48%
	1,191,842,723	100.00%	69,866,421			0	69,866,421	1,261,709,144	100.00%

2017

42,050,616 27,815,805 69,866,421

2017 4 26 1,191,842,723 1,261,709,144 2017

4 24 http://www.cninfo.com.cn

2016 6 7

2016 10 17

2016 11 2 2016

2016 12 30 2016 103

2017 2 20

2017 244 27,902,621

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	0	0	24,635,967	24,635,967		2018 4 25
	0	0	41,257	41,257		2018 4 25
	0	0	3,138,581	3,138,581		2018 4 25
	0	0	13,546,186	13,546,186		2018 4 25
	0	0	17,593,977	17,593,977		2018 4 25
	0					

	88,512	8	0
5%		10	
			[redacted]

	93.44%
10	
[redacted]	[redacted]

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			2017 07 05	2017 7 5 2017
			2017 07 05	2017 7 5 2017

2017 07 05

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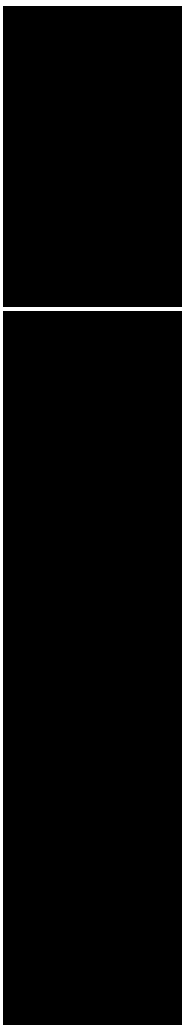

	59,813,513.82	72,630,836.03
	80,237,253.22	83,603,058.83
	3,852,607.86	3,145,561.83
	744,600.00	744,600.00
	192,903,415.71	299,439,516.01

	2,743,679,183.80	1,742,309,748.55
	732,835,331.61	750,629,144.91
	29,979,759.24	

	525,644,001.20	266,401,002.40

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	1,789,510,866.88	1,765,669,457.85
[redacted]	574.68	1,458,711,079.09

	4,841,383.21	6,813,401.66
	4,408,003.18	3,997,305.60
	5,198,634.94	7,697,599.60
	12,441.99	

	327,832.36	136,608.15
	47,943,966.93	175,260,000.97
	1,975,702,381.04	2,166,754,677.89
	1,536,218,480.53	1,398,004,552.53
	199,483,023.35	163,830,102.10
	143,151,512.44	162,448,866.68
	170,574,422.94	335,710,821.17
	2,049,427,439.26	2,059,994,342.48
	-73,725,058.22	106,760,335.41
	32,162,987.56	
	37,456,004.54	346,636.39
	348,429.40	11,934,513.03
	34,632,768.63	8,678,000.00
	104,600,190.13	20,959,149.42

	-726,517,407.12	-660,933,260.61
	444,809,986.36	

	32,162,987.56	
	36,977,412.44	15,224,749.17
	265,177.82	11,934,513.03
		1,678,000.00
	69,405,577.82	28,837,262.20
	113,388,158.00	

2													
	1,191,842,723.00				263,456,484.88	10,858,750.00			121,015,446.84		1,368,295,664.01	78,160,294.88	3,011,911,863.61

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	1,191,842,723.00				610,825,970.08	10,858,750.00			121,015,446.84	813,224,173.86	2,726,049,563.78

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										,457.29	57.29
	-7,273,500.00				-82,651,663.21	10,858,750.00					-100,783,913.21
1	-7,273,500.00										

20,080.00

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6700 2010 10 21

26,780.00

2013 7 19 2013

753.00 27,533.00

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2014 5 6 2013 10 3

35,792.90

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9,647,651.00 11.92 / 51%

36,757.67

2014 715 2014 8 15 600

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	25,130,920.79	19.92%
	13,863,048.56	10.99%
	7,478,206.48	5.93%
	6,649,267.00	5.27%
	5,338,803.43	4.23%
	58,460,246.26	46.34%

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	133,305,838.94	100.00%	21,618,616.87	16.22%	111,687,222.07	98,456,903.31	100.00%	17,418,264.78	17.69%	81,038,638.53

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	133,305,838.94	100.00%	21,618,616.87	16.22%	111,687,222.07	98,456,903.31	100.00%	17,418,264.78	17.69%	81,038,638.53

1			
1	70,200,681.57	3,465,085.37	5.00%
1 2	22,114,944.86	2,211,494.49	10.00%
2 3	32,190,132.45	9,657,039.73	30.00%
3	8,800,080.06	6,284,997.28	71.42%
3 4	4,265,310.62	2,132,655.31	50.00%
4 5	1,906,437.36	1,524,009.89	80.00%
5	2,628,332.08	2,628,332.08	100.00%
	133,305,838.94	21,618,616.87	

	11,384,573.10	12,943,307.61
	19,859,631.39	10,640,463.31
	133,305,838.94	98,456,903.31

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		37,144,495.75	1 1 2 2 3 3 4	27.86%	11,018,717.30
		13,968,593.36	1-2	10.48%	1,396,859.34
		4,126,766.99	1 1 2 2 3 3 4	3.10%	1,684,681.02
		2,424,427.90	1	;	121,221.40
		2,400,000.00	1	1.80%	

	193,331,886.21	523,329.04	192,808,557.17	153,447,892.45		153,447,892.45
	123,439,698.57		123,439,698.57	83,406,025.99		83,406,025.99
	797,655,067.60	15,696,528.51	781,958,539.09	718,942,288.80	15,233,848.19	703,708,440.61
	3,511,020.34		3,511,020.34	17,692.30		17,692.30
	1,117,937,672.72	16,219,857.55	1,101,717,815.17	955,813,899.54	15,233,848.19	940,580,051.35

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			523,329.03			523,329.04
	15,233,848.19		462,680.33			15,696,528.52
	15,233,848.19		986,009.36			16,219,857.56

	48,178,219.07	50,514,009.10
		11,478,070.69

35,000,000.00

	143,324,795.49			7,193,000.00			-3,020,400.00			147,497,395.49	
	96,025,887.45			3,044,700.00						99,070,587.45	
	92,528,464.75		-32,162,987.56	-1,400,000.00					-58,965,477.19		
	73,077,775.10			2,011,400.00						75,089,175.10	

4.	181,531,081.80	415,089,571.55	85,755,721.84	13,565,553.08	695,941,928.27

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	181,864.16		181,864.16	181,864.16		181,864.16
	22,432,314.96		22,432,314.96	4,430,565.53		4,432,117.07

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1.	154,707,301.60	3,135,222.79	10,066,200.00	23,776,961.95	191,685,686.34
2.		529,614.97	506,239.32	49,680,154.69	50,716,008.98
1			6,239.32		6,239.32
2				10,950,924.52	10,950,924.52
3		529,614.97	500,000.00	38,729,230.17	39,758,845.14
3.					
1					
4.	154,707,301.60	3,664,837.76	10,572,439.32	73,457,116.64	242,401,695.32
1.	19,794,979.31	2,011,884.35	7,271,284.09	7,987,927.81	37,066,075.56

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	0.00			10,485,105.09				10,485,105.09

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5	2017 6 30	2017 6 30
6	2017 6 30	2017 6 30

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				نقص	
	925,912.29	1,304,470.55	493,536.39	0.00	1,736,846.45
	925,912.29	1,304,470.55	493,536.39	0.00	

5,252,978.68

[illegible]

	29,555,296.80	4,433,294.52	16,263,651.53	2,439,547.73
	3,742,402.40	561,360.36	526,200.00	78,930.00
	43,554,522.81	6,533,178.42		
	76,852,222.01	11,527,833.30	16,789,851.53	2,518,477.73

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		32,340,022.54		26,721,014.15
		11,527,833.30		2,518,477.73

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	5,031,077.97	5,486,936.04
	22,476,682.85	22,476,682.85
	27,507,760.82	27,963,618.89

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2017	1,710,125.07	1,710,125.07	

	297,215,393.79	173,234,542.30
	297,215,393.79	173,234,542.30

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	549,790,027.81	410,792,641.32
	549,790,027.81	410,792,641.32

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	72,626,896.75	182,832,671.72	195,866,937.37	59,592,631.10	

	2,617,331.58	2,127,476.69

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		56,603.77
		56,603.77

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	40,530,122.34		1,970,815.22	38,559,307.12	

[2009]229 2009 12 9
620,500.00
2014 86 - 2013 2014 4 15
310,000.00 2015
2015 211 2015 10 29
6,000,000.00 2014
(2014 295) 2015 2 13
900,000.00
721,000.02
2016 43 - 2016 2016 8

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4) 0.00

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	2,003,772,201.19	1,413,972,710.86	2,058,745,506.02	1,451,589,589.81
	36,131,175.48	29,100,863.82	11,527,995.34	7,121,489.28
	2,039,903,376.67	1,443,073,574.68	2,070,273,501.36	1,458,711,079.09

62

	-2,950,879.02	
	23,265,247.83	14,965,026.00

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	10,186,882.48	8,657,951.71	10,186,882.48

								/
						266,373.76	28,198.62	

						1,820,775.00		

							200,000.00	
							255,000.00	
							649,230.00	

300,000.00

	24,681,540.54	36,563,601.17
	6,967,364.86	2,950,230.00
	3,988,024.16	2,545,488.19
	12,307,037.37	14,150.00

	90,000,000.00	
		83,700.00
	90,000,000.00	83,700.00

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		450,000.00
		450,000.00

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	291,863,338.40	273,661,948.86
	23,265,247.83	14,965,026.00
	77,624,305.87	60,976,912.36
	9,211,592.49	3,105,992.33
	493,536.39	103,950.17
	-88,559.84	-3,997,305.60
	280,200.00	-268,550.00
	62,758,944.76	62,038,414.19
	87,576,127.35	-16,586,253.22
	-5,619,008.39	-1,751,476.92
	9,009,355.57	10,830.00
	-161,137,763.82	44,910,468.80
	-514,030,495.88	-299,985,175.45

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	45,068,121.05	-30,424,446.11
	-73,725,058.22	106,760,335.41

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	314,358,807.43	
	169,202,796.97	
	65,110,206.11	
	548,671,810.51	--

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	1,142,438.06	6.7744	7,739,332.39
	21.37	0.8679	18.55
	959,982.22	6.7744	6,503,303.54
	78,000,000.00	0.8679	67,696,200.00

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--	432,000,000.00
--	648,000,000.00
	1,080,000,000.00

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				60.00%		
				100.00%		
				100.00%		
				75.00%		

51.00%

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	539,218,325.80	617,848,890.55

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	35%

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		1,559,600.00	21,915,196.78

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		638,000.00	894,000.00

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	50,000,000.00	2016 08 08	2017 08 08	

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		2016 08 08	2017 08 08	
	40,000,000.00	2016 08 08	2017 08 08	
		2016 08 08	2017 08 08	
	50,000,000.00	2016 08 08	2017 08 08	
		2016 08 08	2017 08 08	
	50,000,000.00	2016 08 08	2017 08 08	
		2016 08 08	2017 08 08	
	30,000,000.00	2016 01 14	2019 01 13	
		2016 01 14	2019 01 13	
	40,000,000.00	2016 01 14	2019 01 13	
		2016 01 14	2019 01 13	
	50,000,000.00	2016 01 14	2019 01 13	
		2016 01 14	2019 01 13	
	50,000,000.00	2016 01 14	2019 01 13	
		2016 01 14	2019 01 13	

		2016 01 14	2019 01 13	
	50,000,000.00	2016 02 23	2017 02 23	
	50,000,000.00	2016 02 23	2017 02 23	
	50,000,000.00	2016 02 23	2017 02 23	
	20,000,000.00	2016 04 25	2018 04 24	
	36,000,000.00	2016 04 25	2018 04 24	
	50,000,000.00	2016 04 25	2018 04 24	

23,500,000.00

	50,000,000.00	2017 03 01	2018 02 28	
		2017 03 01	2018 02 28	
	30,000,000.00	2017 03 01	2018 02 28	
		2017 03 01	2018 02 28	
	40,000,000.00	2017 03 01	2018 02 28	

		2016 12 13	2017 12 12	
	4,100,000.00	2016 12 13	2017 12 12	
		2016 12 13	2017 12 12	
	15,620,577.57	2016 12 13	2017 12 12	
		2016 12 13	2017 12 12	
	4,670,000.00	2016 12 13	2017 12 12	

	1,193,903.15	2016 12 13	2017 12 12	
		2016 12 13	2017 12 12	

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	1,266,256,239.63	100.00%	76,608,449.51	6.05%	1,189,647,790.12	1,042,677,651.58	100.00%	64,062,430.32	6.14%	978,615,221.26

1			
1	1,145,075,441.65	57,253,772.08	5.00%
1 2	98,927,241.90	9,892,724.19	10.00%
2 3	11,818,353.23	3,545,505.97	30.00%
3	10,435,202.85	5,916,447.29	56.70%

	42,130,281.36	2,106,514.07	3.33%
	26,003,750.64	1,300,187.53	2.05%
	1,028,395,512.30	56,005,261.78	81.22%

5

6

2

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	831,740,353.65	100.00%	70,927,369.97	8.53%	760,812,983.68	669,165,850.98	100.00%	74,318,502.98	11.11%	594,847,348.00
	831,740,353.65	100.00%								

3 4	3,945,054.78	1,972,527.39	50.00%

		4,126,766.99	1 1 2 2 3 3 4	0.50%	1,684,681.02
TAIHAN FIBEROPTICS CO.,LTD		1,500,417.00	1-2	0.18%	150,041.70
	--	807,514,995.34	--	97.09%	67,138,823.17

3

	2,204,460,858.00		2,204,460,858.00	1,124,460,858.00		1,124,460,858.00
	539,218,325.80		539,218,325.80	617,848,890.55		617,848,890.55
	2,743,679,183.80		2,743,679,183.80	1,742,309,748.55		1,742,309,748.55

1

		1,080,000,000.00		1,080,000,000.00		
	1,124,460,858.00	1,080,000,000.00		2,204,460,858.00		

2

	90.55		87.56	0.00			0.00		77.19	25.80	
	617,848,890.55		-32,162,987.56	15,518,300.00			-3,020,400.00		-58,965,477.19	539,218,325.80	

4

	-5,706,524.32	
	67,311,535.25	
	10,717,714.26	
	7,597.07	
	60,726,117.08	--

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