The HetNet Ecosystem (Small Cells, Carrier Wi-Fi, C-RAN & DAS): 2016 – 2030 – Opportunities, Challenges, Strategies & Forecasts

Description: Driven by in-building wireless coverage requirements and the growing influx of mobile data traffic, a conventional macrocell based cellular network deployment is not deemed to be a sufficient solution to address the coverage and capacity needs of today’s wireless subscribers.

Mobile operators are thus increasing their investments in Heterogeneous Network or HetNet infrastructure such as strategically deployed small cells, carrier Wi-Fi and DAS (Distributed Antenna Systems), to cope with growing capacity and coverage requirements. Adding further to the heterogeneity is the shift towards a C-RAN (Centralized RAN) architecture, which centralizes baseband functionality to be shared across a large number of distributed radio nodes. In comparison to standalone clusters of base stations, C-RAN provides significant performance and economic benefits such as baseband pooling, enhanced coordination between cells, virtualization, network extensibility and energy efficiency.

Driven by the thriving ecosystem, we expect small cell, carrier Wi-Fi, C-RAN and DAS investments to account for nearly $13 Billion by the end of 2016. The market is further expected to grow at a CAGR of 15% between 2016 and 2020, as mobile operators remain committed to tackle the continued growth of mobile data traffic and evolving coverage requirements.

The “HetNet Ecosystem (Small Cells, Carrier Wi-Fi, C-RAN & DAS): 2016 - 2030 - Opportunities, Challenges, Strategies & Forecasts” report presents an in-depth assessment of the HetNet ecosystem including enabling technologies, key trends, market drivers, challenges, standardization, regulatory landscape, deployment models, use cases, vertical markets, operator case studies, opportunities, future roadmap, value chain, ecosystem player profiles and strategies. The report also presents forecasts for HetNet infrastructure investments from 2016 till 2030. The forecasts cover 6 individual submarkets and 6 regions.

The report comes with an associated Excel datasheet suite covering quantitative data from all numeric forecasts presented in the report.

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10.9 Argela
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10.12 Askey Computer Corporation
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10.14 Athonet
10.15 Athena Wireless Communications (Google)
10.16 Axxcelera Broadband Wireless (Moseley Associates)
10.17 Brocade Communications Systems
10.18 Casa Systems
10.19 CCI (Competitive Companies, Inc.)
10.20 Contela
10.21 CS Corporation
10.22 Datang Mobile
10.23 Dongwon T&I
10.24 Femtel (Suzhou Femtel Communications)
10.25 Gemtek Technology Company
10.26 GENBAND
10.27 GWT (Global Wireless Technologies)
10.28 HP (Hewlett-Packard)
10.29 ip.access
10.30 Juni Global
10.31 Juniper Networks
10.32 Lemko
10.33 LGS Innovations
10.34 Mitel Networks Corporation
10.35 New Postcom Equipment Company
10.36 NewNet Communication Technologies
10.37 Nutaq
10.38 Oceus Networks
10.39 Panda Electronics (Nanjing Panda Electronics Company)
10.40 Parallel Wireless
10.41 Polaris Networks
10.42 Potevio (China Potevio Company)
10.43 Quanta Computer
10.44 Qucell
10.45 Quortus
10.46 Redline Communications
10.47 Sagemcom
10.48 Samji Electronics Company
10.49 SerComm Corporation
10.50 SK Telesys
10.51 SpiderCloud Wireless
10.52 Star Solutions
10.53 Sunnada (Fujian Sunnada Communication Company)
10.54 Taqua
10.55 Tecom
10.56 TEKTELIC Communications
10.57 Telum
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11: Antenna, DAS & Repeater Solution Specialists
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11.3 Affarii Technologies
11.4 American Tower Corporation
11.5 Arqiva
11.6 Axis Teknologies
11.7 Black Box Corporation
11.8 BTI Wireless
11.9 CCI (Communication Components Inc.)
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11.12 Cobham Wireless
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11.25 JMA Wireless
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11.27 KMW
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11.29 MER-CellO Wireless Solutions
11.30 Microlab (Wireless Telecom Group)
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11.32 Nexius
11.33 Nextivity
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12: Carrier Wi-Fi Specialists
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12.14 Edgewater Wireless Systems
12.15 EION Wireless
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12.19 GoNet Systems
12.20 Handlink Technologies
12.21 Meru Networks
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12.23 NETGEAR
12.24 Nomadix
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12.26 Ro-Timak Technology
12.27 Ruckus Wireless
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12.29 Smith Micro Software
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12.31 Syniverse Technologies
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13: Enabling Technology Providers
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13.6 ADI (Analog Devices Inc.)
13.7 Advantech
13.8 AirHop Communications
13.9 AKM (Asahi Kasei Microdevices)
13.10 Allot Communications
13.11 Amarisoft
13.12 Amdocs
13.13 Anritsu Corporation
13.14 Aricent
13.15 ARM Holdings
13.16 Astellia
13.17 ASTRI (Hong Kong Applied Science and Technology Research Institute)
13.18 Artesyn Embedded Technologies
13.19 Artiza Networks
13.20 Avago Technologies
13.21 Azcom Technology
13.22 Benetel
13.23 Blu Wireless Technology
13.24 Broadcom Corporation
13.25 Cadence Design Systems
13.26 Cavium
13.27 CeedTec
13.28 Cellwize
13.29 Celтро
13.30 Coherent Logix
13.31 Comcores ApS
13.32 CommAgility
13.33 D2 Technologies
13.34 Dell
13.35 Direct Beam
13.36 eASIC Corporation
13.37 EDX Wireless
13.38 Eoptolink Technology
13.39 EROCOM
13.40 EXFO
13.41 Federated Wireless
13.42 Faraday Technology Corporation
13.43 Finisar Corporation
13.44 GigaLight (Shenzhen Gigalight Technology Company)
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13.46 Hisense (Hisense Broadband Multimedia Technology)
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13.63 Mellanox Technologies
13.64 Microsemi Corporation
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13.66 Mobiveil
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13.73 OE Solutions
13.74 Octasic
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13.76 P.i. Works
13.77 Pletronics
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13.79 Procera Networks
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13.93 Sarokal Test Systems
13.94 Silicon Labs
13.95 Sistelbanda
13.96 Source Photonics
13.97 Tata Elxsi
13.98 TEOCO Corporation
13.99 TI (Texas Instruments)
13.100 Tulinx
13.101 U-blox
13.102 Vectron International
13.103 Viavi Solutions
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14: Mobile Backhaul & Fronthaul Vendors
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14.5 Actiontec
14.6 Actus Networks
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14.8 ADVA Optical Networking
14.9 Advantech Wireless
14.10 ALAXALA Networks
14.11 Albis Technologies
14.12 ALCOMA
14.13 Allied Data Technologies
14.14 Allied Telesis
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14.16 Arris
14.17 Avanti Communications
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14.20 BLINQ Networks
14.21 BluWan
14.22 BridgeWave Communications
14.23 BTI Systems
14.24 CableFree Solutions
14.25 Calix
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14.52 Hughes Network Systems
14.53 HXI
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14.56 Intracom Telecom
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14.78 Siklu
14.79 SkyFiber
14.80 SMC Networks
14.81 Solectek
14.82 Star Microwave
14.83 Tarana Wireless
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