The NFV, SDN & Wireless Network Infrastructure Market: 2016 - 2030 - Opportunities, Challenges, Strategies and Forecasts

#804856      $4000     1680 pages     In Stock

Report Description

Service providers continue to face increasing CapEx and OpEx burdens, amid growing requirements for high-speed mobile broadband services. By eliminating reliance on expensive proprietary hardware platforms, NFV (Network Functions Virtualization) and SDN (Software Defined Networking) promise to reduce service provider CapEx. In addition, both technologies can significantly slash OpEx due to a reduction in physical space, labor and power consumption.

Driven by the promise of TCO (Total Cost of Ownership) reduction, mobile operators are aggressively jumping on the NFV and SDN bandwagon, targeting deployments across a multitude of areas. By the end of 2020, SNS Research estimates that NFV and SDN investments on service provider networks will account for over $18 Billion. These investments will initially focus on EPC/mobile core, IMS, policy control, CPE (Customer Premises Equipment), CDN (Content Delivery Network) and transport networks.

Spanning over 1,600 pages, the "NFV, SDN & Wireless Network Infrastructure Market: 2016 – 2030 – Opportunities, Challenges, Strategies and Forecasts" report package encompasses three comprehensive reports covering NFV, SDN, conventional 2G, 3G, 4G & 5G wireless network infrastructure and HetNet (Heterogeneous Network) infrastructure:

- The SDN, NFV & Network Virtualization Ecosystem: 2016 – 2030 – Opportunities, Challenges, Strategies & Forecasts
- The Wireless Network Infrastructure Ecosystem: 2016 – 2030 – Macrocell RAN, Small Cells, C-RAN, RRH, DAS, Carrier Wi-Fi, Mobile Core, Backhaul & Fronthaul
- The HetNet Ecosystem (Small Cells, Carrier Wi-Fi, C-RAN & DAS): 2016 – 2030 – Opportunities, Challenges, Strategies & Forecasts

This report package provides an in-depth assessment of NFV, SDN, network virtualization, 2G, 3G, 4G & 5G wireless network infrastructure and HetNet gear. Besides analyzing enabling technologies, key trends, market...
drivers, challenges, use cases, mobile operator case studies, regional CapEx commitments, regulatory landscape, standardization, opportunities, future roadmap, value chain, ecosystem player profiles and strategies, the report package also presents revenue and unit shipment forecasts for multiple submarkets including:

**Conventional 2G, 3G, 4G & 5G Wireless Network Infrastructure**

- Macrocell RAN Base Stations
- Macrocell Backhaul
- Mobile Core

**HetNet Infrastructure**

- Small Cells
- Small Cell Backhaul
- Carrier Wi-Fi
- C-RAN (Centralized RAN)
- C-RAN Fronthaul
- DAS (Distributed Antenna Systems)

**NFV**

- Hardware Appliances
- Orchestration & Management Software
- VNF (Virtualized Network Function) Software

**SDN**

- SDN-Enabled Hardware Appliances
- SDN-Enabled Virtual Switches
- Orchestration & Management Software
- SDN Controller Software
- Network Applications Software

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

The report package covers the following topics:

**Wireless Network Infrastructure Topics**

- 2G (GSM and CDMA) technology and market trends
- 3G (W-CDMA/HSPA, TD-SCDMA and CDMA-2000) technology and market trends
- 4G (LTE, LTE-Advanced and WiMAX) technology and market trends
- 5G (IMT-2020) technology and market trends
- Mobile core technology and market trends
- Mobile transport (backhaul and fronthaul) technology and market trends
- HetNet (Wi-Fi offloading, small cell, C-RAN and DAS) technology and market trends
- Analysis of key trends such as enterprise RAN, TD-LTE, VoLTE virtualization, unlicensed small cells and SCaaS (Small Cells as a Service)
- Market drivers for wireless network infrastructure investments
- Challenges and barriers to the ecosystem
- Profiles and strategies of over 350 wireless network infrastructure vendors
- Strategic recommendations for ecosystem players
- Global and regional market analysis and forecasts
- SWOT analysis of the wireless network infrastructure market

**NFV & SDN Topics**

- SDN, NFV and network virtualization technology
- Enabling technologies, protocols, architecture and key trends
- Use cases, applications, PoC (Proof of Concept) and commercial deployment case studies
- CapEx saving potential of SDN and NFV
- Orchestration and management platforms
- Regulatory landscape and standardization
- Industry roadmap and value chain
- Market drivers for SDN/NFV investments
- Challenges and barriers to the ecosystem
- Profiles and strategies of over 240 SDN/NFV ecosystem players
Strategic recommendations for ecosystem players
Global and regional market analysis and forecasts

The report package provides answers to the following key questions:

- How is the 2G, 3G, 4G & 5G wireless network infrastructure market evolving by segment and region?
- Which 2G, 3G, 4G & 5G technology constitutes the highest amount of spending and how will this evolve over time?
- What is the global and regional outlook for RAN and mobile core submarkets?
- How will the market shape for HetNet infrastructure such as small cells, C-RAN and DAS?
- How will Wi-Fi fit into future network architectures for access and offload?
- What is the opportunity for mobile transport networking gear, and what new backhaul/fronthaul solutions are evolving?
- How big is the SDN, NFV and network virtualization opportunity?
- What trends, challenges and barriers are influencing its growth?
- What will the market size be in 2020 and at what rate will it grow?
- Which regions, submarkets and countries will see the highest percentage of growth?
- How are service provider led initiatives driving SDN and NFV investments?
- How does regulation impact the adoption of SDN and NFV centric networks?
- How can NFV make the VoLTE (Voice over LTE) business case work?
- How can software defined DPI (Deep Packet Inspection) complement SDN functionality?
- What level of CapEx savings can SDN and NFV facilitate for service providers?
- Do SDN and NFV pose a threat to traditional network infrastructure vendors?
- Who are the key market players and what are their strategies?
- Is there a ring leader in the SDN and NFV ecosystem?
- What strategies should enabling technology providers, network infrastructure vendors, mobile operators and other ecosystem players adopt to remain competitive?

List of Companies Mentioned

- 3GPP (3rd Generation Partnership Project)
- 3GPP2 (3rd Generation Partnership Project 2)
- 3Roam
- 4ipnet
- 4RF
- 6WIND
- A10 Networks
- ABB
- Ablaze Wireless
- Absolute Analysis
- Accedian Networks
- Accelink Technologies
- Accelleran
- ACCESS CO.
- Accton Technology Corporation
- Accuris Networks
- AceAxis
- Actelis Networks
- Actiontec
- Active Broadband Networks
- Actus Networks
- ADARA Networks
- Adax
- ADB
- ADI (Analog Devices Inc.)
- ADLINK Technology
- ADRF (Advanced RF Technologies)
- ADTRAN
- ADVA Optical Networking
- Advantech
- Advantech Wireless
- Aerohive Networks
- Affarii Technologies
- Affirmed Networks
- Agema Systems
- Airbus Defence and Space
- AirHop Communications
- Airspan Networks
• Airvana
• Akamai Technologies
• AKM (Asahi Kasei Microdevices)
• ALAXALA Networks Corporation
• Albis Technologies
• Alcatel-Lucent
• ALCOMA
• Allied Data Technologies
• Allied Telesis
• Allot Communications
• Alpha Networks
• ALTEN Calsoft Labs
• ALTEN Group
• Altera Corporation
• AltioStar Networks
• Alvarion Technologies
• Amarisoft
• Amartus
• AMD (Advanced Micro Devices)
• Amdocs
• América Móvil Group
• American Tower Corporation
• ANEVIA
• Anite
• Anritsu Corporation
• Aptilo Networks
• Aquantia
• Arcadyan Technology Corporation
• Argela
• Aricent
• Arista Networks
• ARItel
• Arkoon Netasq
• ARM Holdings
• Arqiva
• Arris
• ARRIS Group
• Artemis Networks
• Artesyn Embedded Technologies
• Artiza Networks
• Aruba Networks
• Askey Computer Corporation
• ASOCS
• Astellia
• ASTRI (Hong Kong Applied Science and Technology Research Institute)
• AT&T
• AT&T Mobility
• Athena Wireless Communications
• Athonet
• AudioCodes
• Autelan
• Avago Technologies
• Avanti Communications
• Avaya
• Aviat Networks
• AVM
• AWS (Amazon Web Services)
• Axis Teknologies
• Axxcelera Broadband Wireless (Moseley Associates)
• Azcom Technology
• Baidu
• Banco Santander
• BandwidthX
• Barracuda Networks
• Benetel
• Bharti Airtel
• Big Switch Networks
• Birdstep Technology
- Black Box Corporation
- BLINQ Networks
- Blu Wireless Technology
- BlueCoat
- BluWan
- Brain4Net
- BridgeWave Communications
- Broadband Forum
- Broadcom
- Broadpeak
- BroadSoft
- Brocade Communications Systems
- Browan Communications
- BSG Wireless
- BT Group
- BTI Systems
- BTI Wireless
- CableFree Solutions
- Cadence Design Systems
- Calix
- Cambium Networks
- Canoga Perkins
- Canonical
- Carlson Wireless Technologies
- Casa Systems
- Catbird Networks
- Cavium
- CBNL (Cambridge Broadband Networks Ltd.)
- CCI (Communication Components Inc.)
- CCI (Competitive Companies, Inc.)
- CCI (Crown Castle International)
- CCI Systems
- CCS (Cambridge Communication Systems)
- Cedexis
• CeedTec
• Cellcom
• Cellwize
• Celtro
• Centec Networks
• Ceragon Networks
• Certes Networks
• Check Point Software Technologies
• China Mobile
• China Telecom
• China Unicom
• Chunghwa Telecom
• Cielo Networks
• Ciena Corporation
• CIMI Corporation
• Cisco Systems
• Citigroup
• Citrix Systems
• Clavister
• ClearPath Networks
• ClearSky Technologies
• Cloudberry Mobile
• Cloudscaling
• CloudWeaver
• Cobham Wireless
• Coherent Logix
• Cohesive Networks
• Colt Technology Services Group
• Comba Telecom Systems Holdings
• Comcores ApS
• CommAgility
• CommScope
• Comodo Security Solutions
• Compass-EOS
• Comptel
• Comtrend
• Concurrent
• Connectem
• Contela
• ConteXtream
• Corecess
• Coriant
• Corning
• Corsa Technology
• CS Corporation
• CSC (Computer Sciences Corporation)
• Cumulus Networks
• Cyan
• D2 Technologies
• Dali Wireless
• DASAN Networks
• Datang Mobile
• Dell
• DeltaNode (Bird Technologies)
• Dialogic
• Direct Beam
• Dish Network
• D-Link Corporation
• Dongwon T&I
• Dorado Software
• DragonWave
• DT (Deutsche Telekom)
• eASIC Corporation
• E-Band Communications (Moseley Associates)
• EBl ink
• ECI Telecom
• Eden Rock Communications
• Edgeware
• Edgewater Wireless Systems
• EDX Wireless
• EE
• EION Wireless
• Ekinops
• Elemental Technologies
• Elva-1
• Embrane
• EMC Corporation
• Enterasys Networks
• EnterpriseWeb
• Eoptolink Technology
• Equinix
• ERCOM
• Ericsson
• Ethertronics
• Etisalat
• ETSI (European Telecommunications Standards Institute)
• Exalt Communications
• EXFO
• ExteNet Systems
• Extreme Networks
• EZchip Semiconductor
• F5 Networks
• Faraday Technology Corporation
• FastBack Networks
• Federated Wireless
• Femtel (Suzhou Femtel Communications)
• Fiberhome Technologies
• FibroLAN
• Fidelity Investments
• Finisar Corporation
• Firetide
• Flash Networks
- Flextronics International
- Fortinet
- Foxcom
- FRAFOS
- Freescale Semiconductor
- Front Porch
- Fujitsu
- Galtronics
- Gemtek Technology Company
- GENBAND
- Gencore Systems
- Genmix Technology
- GigaLight (Shenzhen Gigalight Technology Company)
- Gigamon
- GigaSpaces Technologies
- Gilat Satellite Networks
- GlobalFoundaries
- GoNet Systems
- Goodman Networks
- Google
- GrenTech (China GrenTech Corporation)
- Grupo Santander
- GSMA
- Guavus
- GWT (Global Wireless Technologies)
- H3C Technologies
- Handlink Technologies
- Harmonic
- HFR
- HG Genuine
- Hisense (Hisense Broadband Multimedia Technology)
- Hitachi
- HP (Hewlett-Packard)
- Hrvatski Telekom
• Huahuan
• Huawei
• Hughes Network Systems
• HXI
• HyTrust
• IBM
• iDirect
• IDT (Integrated Device Technology)
• IEEE (Institute of Electrical and Electronics Engineers)
• IETF (Internet Engineering Task Force)
• IIJ (Internet Initiative Japan)
• Illumio
• Imagine Communications Corporation
• IMEC International
• Infinera
• Infoblox
• InfoVista
• InnoLight Technology Corporation
• Inocybe Technologies
• Intel Corporation
• InterDigital
• Interface Masters Technologies
• Intracom Telecom
• Intune Networks
• IP Infusion
• ip.access
• IPgallery
• iPhotonix
• IPITEK
• iPosi
• IRTF (Internet Research Task Force)
• Iskratel
• Italtel
• ITU (International Telecommunications Union)
• iwNetworks
• Ixia
• JMA Wireless
• JRC (Japan Radio Company)
• Juni Global
• Juniper Networks
• Kanazawa University Hospital
• Kathrein-Werke KG
• KDDI Corporation
• KEMP Technologies
• KEYMILE
• Keysight Technologies
• Kisan Telecom
• KMW
• KPN
• KT Corporation
• Kumu Networks
• Lattice Semiconductor
• Lemko Corporation
• Lenovo
• LG Uplus
• LGS Innovations
• LightPointe Communications
• Lime Microsystems
• LineRate Systems
• Linux Foundation
• Loea Corporation
• Lumentum
• Lumeta Corporation
• Luxoft Holding
• Macom (M/A-COM Technology Solutions)
• Maipu Communication Technology
• Marvell Technology Group
• MatrixStream Technologies
- Mavenir Systems
- MAX4G
- Maxim Integrated
- MediaTek
- MEF (Metro Ethernet Forum)
- MegaFon
- Mellanox Technologies
- MER-CellO Wireless Solutions
- Meru Networks
- Metaswitch Networks
- Microlab (Wireless Telecom Group)
- Microsemi Corporation
- Microsoft
- Microwave Networks
- Midokura
- MIMOon
- MIMOtech
- Mirantis
- Mitel Networks Corporation
- Mitsubishi Electric Corporation
- Mobily Saudi Arabia
- Mobiveil
- Mojatatu Networks
- Molex
- Movistar Venezuela
- MRV Communications
- MTI Mobile
- MTS (Mobile TeleSystems)
- NAKA Mobile
- Nakina Systems
- Napatech
- Nash Technologies
- NCLC (NCL Communication)
- NEC Corporation
- NetCracker Technology
- NETGEAR
- Netgem
- Netronome
- Netrounds
- NetScout Systems
- NetYCE
- New Postcom Equipment Company
- NewNet Communication Technologies
- Nexcomm Systems
- Nexius
- Nextivity
- NexxComm Wireless
- NFVWare
- NGMN (Next Generation Mobile Networks) Alliance
- Nippon Express
- Node-H
- Nokia Networks
- Nomadix
- Nominum
- Nomor Research
- NoviFlow
- NTT Communications
- NTT DoCoMo
- Nuage Networks
- NuRAN Wireless
- Nutaq
- NXP Semiconductors
- Oceus Networks
- Octasic
- OE Solutions
- Oi Brazil
- OMA (Open Mobile Alliance)
- OMG (Object Management Group)
- Omnitrion Systems
- ON.Lab (Open Networking Lab)
- OneAccess Networks
- ONF (Open Networking Foundation)
- ONRC (Open Networking Research Center)
- OpenDaylight Foundation
- Openet
- OpenStack Foundation
- Openwave Mobility
- Opera Software
- OPNFV (Open Platform for NFV)
- Optelian
- Optulink
- Oracle Corporation
- Orange
- Orchestral networks
- OVA (Open Virtualization Alliance)
- Overture Networks
- OX (Open-Xchange)
- Ozono Security
- P.I. Works
- Packet Ship Technologies
- Paddy Power Betfair
- Padtec
- Palo Alto Networks
- Panasonic Corporation
- Panda Electronics (Nanjing Panda Electronics Company)
- Panda Security
- Pantheon Technologies
- Parallel Wireless
- PeerApp
- Penguin
- Pertino
- Pica8
• Piston Cloud Computing
• Pletronics
• Plexxi
• PLUMgrid
• Pluribus Networks
• PMC-Sierra
• Polaris Networks
• Polatis
• Polewall
• Positron
• Potevio (China Potevio Company)
• PowerDNS
• Procera Networks
• Produban
• Proxim Wireless Corporation
• PT (Portugal Telecom)
• Public Wireless
• QCT (Quanta Cloud Technology)
• QEOS
• Qosmos
• Qualcomm
• Quanta Computer
• Qucell
• Qulsar
• Quortus
• Qwilt
• Rackspace
• RACOM
• RAD Data Communications
• RADCOM
• Radisys Corporation
• Radware
• RADWIN
• Rakon
- Rapid7
- Realtek Semiconductor Corporation
- Rearden
- Red Hat
- Redknee
- Redline Communications
- Reverb Networks
- RF DSP
- RF Window
- RFS (Radio Frequency Systems)
- RightScale
- Riverbed Technology
- Rosenberger
- Ro-Timak Technology
- Ruckus Wireless
- SAF Tehnika
- Sagemcom
- Saguna Networks
- SAI Technology
- Saisei
- Samji Electronics Company
- Samsung Electronics
- Sandvine
- Sansay
- Sarokal Test Systems
- Senao Networks
- Sencore
- SerComm Corporation
- ServiceMesh
- SevOne
- SFR
- Shutterfly
- SIAE Microelectronics (SIAE Microelectronica)
- Siklu
- Silicon Labs
- Silver Peak Systems
- SingTel
- Sistelbanda
- SK Telecom
- SK Telesys
- SkyFiber
- Small Cell Forum
- SMC Networks
- Smith Micro Software
- SoftBank Corporation
- SoftBank Mobile
- Solectek
- SOLiD (SOLiD Technologies)
- SonicWALL
- Sonus Networks
- Sophos
- Sorrento Networks
- Source Photonics
- SpectrumMax
- SpiderCloud Wireless
- Spirent Communications
- Sprint Corporation
- StackIQ
- Star Microwave
- Star Solutions
- Sub10 Systems
- Sumitomo Electric Industries
- Sunnada (Fujian Sunnada Communication Company)
- SunTec Business Solutions
- Sunwave Communications
- Supermicro (Super Micro Computer)
- Svarog Technology Group
- Symantec Corporation
- Syniverse Technologies
- SysMaster
- Tail-f Systems
- Tango Telecom
- Taqua
- Tarana Wireless
- Tata Elxsi
- TE Connectivity
- TE SubCom
- Tecom
- Tejas Networks
- TEKTELIC Communications
- Telchemy
- Telco Systems
- Telcoware
- Telecom Italia
- Telefónica
- Telekom Austria Group
- Telenor Group
- TeliaSonera
- Telkomsel
- Tellion
- Tellumat
- Telrad Networks
- Telsey
- Telstra
- Telum
- Telus Mobility
- TEOCO Corporation
- TESSCO Technologies
- Thomson Video Networks
- TI (Texas Instruments)
- Tieto
- Tilera Corporation
- Tilgin
- TIM (Telecom Italia Mobile)
- TIM Brazil
- TitanHQ
- TM Forum
- T-Mobile USA
- Towerstream
- TP-LINK Technologies
- Trango Systems
- Transmode
- Tranzeo Wireless Technologies
- Trend Micro
- Treq Labs
- Tulinx
- Turk Telekom
- U2 Cloud
- UBiqube
- Ubiquiti Networks
- Ubiquoss
- U-blox
- UBM Tech
- Ultra Electronics AEP
- UTStarcom
- vArmour
- Vectron International
- Vello Systems
- Verizon
- Verizon Wireless
- Versa Networks
- Veryx Technologies
- Viavi Solutions
- VimpelCom
- Vipnet
- Virgin Media
• Vivo
• VMware
• Vodafone Group
• VPIsystems
• Vubiq Networks
• WatchGuard Technologies
• Wave1
• Wavenet
• Wavesight
• WBA (Wireless Broadband Alliance)
• WebNMS
• Wedge Networks
• WeFi
• Westell Technologies
• Wi-Fi Alliance
• WiMAX Forum
• Wind River
• Wipro
• WNC (Wistron NeWeb Corporation)
• Wowza Media Systems
• Xavi Technologies
• XCellAir
• Xelic
• Xilinx
• XOR Media
• Xtera Communications
• Xura
• Yamaha Corporation
• Zayo Group
• Z-Com (ZDC Wireless)
• Zebra Technologies Corporation
• Zhone Technologies
• Zinwave
• Zoho Corporation
ZTE
ZyXEL

Countires Covered

- Argentina
- Australia
- Brazil
- Canada
- China
- Czech Republic
- Denmark
- Finland
- France
- Germany
- India
- Indonesia
- Israel
- Italy
- Japan
- Malaysia
- Mexico
- Norway
- Pakistan
- Philippines
- Poland
- Qatar
- Russia
- Saudi Arabia
- Singapore
- South Africa
- South Korea
- Spain
- Sweden
• Taiwan
• Thailand
• UAE
• UK
• USA

Buy This Report

Single License : $ 4000

Request sample of this report

Check discount this report

Go For Report

https://www.marketresearchreports.biz/reports/804856/the-nfv-sdn-wireless-network-market-research-reports

Office: United States
State Tower, 90 State Street, Suite 700, Albany, NY 12207, United States
Toll Free: 866-997-4948 (USA-Canada)
Tel: +1-518-621-2074
E: sales@marketresearchreports.biz