WNC Wistron NeWeb Corp.

# BRIEF SUMMARY OF HISTORY, PRODUCTS AND SERVICES



# WNC Company Introduction-1

## 2 Company Introduction

### 2.1. Date of Establishment

December 7, 1996

### 2.2. Milestones

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| Dec. | 1996 | Wistron NeWeb Corporation (WNC) was founded in Hsinchu, Taiwan, on Dongda Rd. |
| April | 1997 | Established manufacturing plant in Zhubei City, Taiwan, on Fenggang Rd. |
| April | 1998 | Obtained ISO 9001 certification. |
| Sept. | 1998 | Triple Beam Antenna and Wireless PC Connection products received the Taiwan Symbol of Excellence Award. |
| June | 2000 | Bluetooth product series honored with the Best Product Award at Computex Taipei 2000. |
| July | 2000 | Springboard Wireless Connector technology transferred from WIDCOMM (U.S.). |
| Aug. | 2000 | Officially commenced mass production of PHS handsets. |
| Sept. | 2000 | Bluetooth PDA Connector and IEEE 802.11b PCMCIA Card received the Taiwan Symbol of Excellence Award. |
| Dec. | 2000 | Established ANC Holding Corporation. |
| Oct. | 2001 | Established WNC Holding Corporation. |
| Dec. | 2001 | Bluetooth USB dongle received the Taiwan Symbol of Excellence Award. |
| Jan. | 2002 | Moved to the Hsinchu Science Park. |
| May | 2002 | Established NeWeb Holding Corporation. |
| July | 2002 | Honored for the Best International Import and Export Trade Growth in Taiwan. |
| Feb. | 2003 | Established W-NeWeb Corp. in the U.S. |
| Sept. | 2003 | Wistron NeWeb Corporation publicly listed on the Taiwan Stock Exchange on Sept. 22. |
| Nov. | 2003 | IEEE 802.11a/g Switch received the Hsinchu Science Park Innovative Product Award. |
| Nov. | 2003 | Established WebCom Communication (Kunshan) Corporation in Mainland China. |
| March | 2004 | Established WNC (Kunshan) Corporation in Mainland China. |
| May | 2004 | Merger with Acer Netxus Inc. completed on May 31. |
| Nov. | 2005 | Obtained ISO 14001 certification. |
| Nov. | 2005 | LNB annual output reached 10 million. |
| Dec. | 2005 | Obtained ISO/TS 16949 certification. |
| Jan. | 2006 | Wi-Fi Phone received the 2006 CES Innovations Design and Engineering Award. |
| Feb. | 2006 | Obtained SONY Green Partner Certification. |

# WNC Company Introduction-2

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| April | 2006 | Established Wistron NeWeb (Kunshan) Corporation in Mainland China. |
| June | 2006 | GSM/Wi-Fi Dual Net Phone received the 2006 Best Choice of Computex Taipei Award. |
| Nov. | 2006 | Honored with the Hsinchu Science Park R&D Accomplishment Award. |
| July | 2007 | Wi-Fi Video Phone received the Taiwan Symbol of Excellence Award. |
| Aug. | 2007 | Established NeWeb Service (Kunshan) Corporation in Mainland China. |
| Dec. | 2007 | Started mass production of Ka/Ku ODU products. |
| Jan. | 2008 | GSM/Wi-Fi Dual Net Phone received the 2008 CES Innovations Design and Engineering Award. |
| March | 2008 | Honored for Best Participation of Green Procurement for Enterprises in 2007. |
| April | 2008 | WNC Utopia Interface designed for handsets received the 2008 iF communication design award. |
| May | 2008 | Began construction of the new WNC Headquarters building. |
| Sept. | 2008 | Wi-Fi Media Frame Wireless Multimedia Player received the Hsinchu Science Park Innovative Product Award. |
| Oct. | 2008 | Obtained OHSAS 18001 certification. |
| Jan. | 2009 | GSM/PHS Mobile TV Phone received the 2009 iF product design award. |
| Nov. | 2009 | Honored with the Hsinchu Science Park R&D Accomplishment Award. |
| Nov. | 2009 | Completed training programs for the EuP Directive 2005/32/EC and applied the principles to product design processes. |
| Jan. | 2010 | Moved to 20 Park Avenue II (or Yuanchiu 2nd Rd), Hsinchu Science Park. |
| April | 2010 | Completed training programs for the ErP Directive 2009/125/EC and applied the principles to product design processes. |
| June | 2010 | UI design artwork (Fun-Quick) received the 2010 iF communication design award. |
| Aug. | 2010 | Honored with the Contribution Award and the Invention Award at the 2010 National Invention & Creation Awards. |
| Oct. | 2010 | Honored with the 2010 National Standardization Award. |
| Nov. | 2010 | LDS Antenna received the Hsinchu Science Park Innovative Product Award. |
| Dec. | 2010 | Honored by Asiamoney Magazine's Corporate Governance Poll as: Overall Best for Investor Relations across Asia; Best Overall for Corporate Governance; Best for Responsibilities of Management and the Board of Directors; Best for Shareholders' Rights and Equitable Treatment; Best for Investor Relations; Best for Disclosure and Transparency; and Best Investor Relations Officer. |
| April | 2011 | Obtained IECQ QC 080000 (Hazardous Substance Process Management) and ANSI/ESD S20.20 (Electronic Discharge Control Program) certifications. |
| June | 2011 | Published the first edition of the Corporate Social Responsibility report. |
| Aug. | 2011 | Smart Shortcut hand-held interface received a reddot award for communication design. |
| Aug. | 2011 | Honored with the National HRD InnoPrize. |
| Sept. | 2011 | Commenced shipping the Automotive BSD radar system. |
| Sept. | 2011 | Honored with the Creation Award at the 2011 National Invention & Creation Awards. |
| Oct. | 2011 | Established the Irvine Office for the North American market. |
| Dec. | 2011 | Received the Hsinchu Science Park Innovative Product Award (4G Mobile Hotspot) and the R&D Accomplishment Award. |

# WNC Company Introduction-3

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| March | 2012 | Established the New Jersey Office for the North American market. |
| July | 2012 | Established the WNC EICC management committee. |
| Sept. | 2012 | Won an Invention Award in the 2012 National Invention & Creation Awards. |
| Dec. | 2012 | Received the Industrial Development Bureau, Ministry of Economic Affairs Industrial Sustainable Excellence Award and the Hsinchu Science Park R&D Accomplishment Award. |
| Jan. | 2013 | 4G Mobile Hotspot received the 2013 CES Innovations Design and Engineering Award. |
| April | 2013 | Recognized among the 2012 Deloitte Technology Fast500 Asia Pacific |
| Nov. | 2013 | Certified as an "Authorized Economic Operator (AEO)" by the Customs Administration, Ministry of Finance, R.O.C. |
| Nov. | 2013 | Ranked first in CommonWealth magazine's "Most Admired Company" 2013 survey among telecommunication enterprises in Taiwan. |
| Dec. | 2013 | Honored with the Hsinchu Science Park Innovative Product Award (24GHz Automotive BSD Radar) and R&D Accomplishment Award. |
| March | 2014 | Obtained TL 9000 (quality management system for the telecommmunications industry) certification. |
| June | 2014 | The Board elected Mr. Haydn Hsieh to be its Chairman. |
| June | 2014 | Established WNC UK Limited in the UK. |
| Oct. | 2014 | Obtained ISO/IEC 27001 (information security management system) certification. |
| Nov. | 2014 | Honored with the Taiwan Corporate Sustainability Report Award (Bronze Medal) by the Taiwan Institute for Sustainable Energy. |
| Dec. | 2014 | High Sensitivity RFID Antenna and Reader System received the Hsinchu Science Park Innovative Product Award. |
| Jan. | 2015 | Established WNC Japan Inc. in Japan. |
| March | 2015 | Obtained ISO/IEC 17025 (general requirements for competence in testing and calibrating laboratory equipment) certification. |
| April | 2015 | Obtained FSC (Forest Stewardship Council) Chain-of-Custody certification. |
| June | 2015 | Selected as a component of the Taiwan Corporate Governance 100 Index and the Taiwan High Salary 100 Index by the Taiwan Stock Exchange Corporation (TWSE). |
| Aug. | 2015 | Honored as one of the Top 50 in Excellence in Corporate Social Responsibility by CommonWealth Magazine in the Large Enterprises group. |
| Nov. | 2015 | Honored with the Taiwan Corporate Sustainability Report Award (Silver Medal) by the Taiwan Institute for Sustainable Energy. |
| Dec. | 2015 | Obtained CNS 15506: 2011 TOSHMS (Taiwan Occupational Safety & Health Management System) certification. |
| Dec. | 2015 | Honored with the Hsinchu Science Park R&D Accomplishment Award. |
| Jan. | 2016 | 24GHz Radar System and Smart Shelf System received the 2016 CES Innovation Award. |
| April | 2016 | WNC Hsinchu (S1) plant (on Lihsin Rd. VI of the Hsinchu Science Park) obtained its factory registration certificate on April 25. |
| June | 2016 | Honored as a Gold Winner at the 2016 IT World Awards (24GHz Radar System). |
| July | 2016 | Honored with the Award for International Trade—Contribution to Primary Market Expansion Award by the Ministry of Economic Affairs. |
| Aug. | 2016 | Honored as one of the Top 50 in Excellence in Corporate Social Responsibility by CommonWealth Magazine in the Large Enterprises group. |
| Nov. | 2016 | Honored with the Taiwan Corporate Sustainability Report Award (Silver Medal) by the Taiwan Institute for Sustainable Energy. |
| Dec. | 2016 | Honored with the Hsinchu Science Park R&D Accomplishment Award. |
| Dec. | 2016 | Honored by Asiamoney Magazine's Corporate Governance Poll (across Asia & Taiwan, excluding Japan) as: Best for Responsibilities of Management & the Board of Directors; and Best for Shareholders' Rights & Equitable Treatment. |

# WNC Company Introduction-4

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| Aug. | 2017 | Installed solar panels in the WNC Headquarters in Taiwan and Wistron NeWeb (Kunshan) Corporation in Mainland China. |
| Aug. | 2017 | Honored as one of the Top 50 in Excellence in Corporate Social Responsibility by CommonWealth Magazine in the Large Enterprises group. |
| Oct. | 2017 | Honored with the Award for International Trade—Contribution to Primary Emerging Market Expansion Award by the Ministry of Economic Affairs. |
| Nov. | 2017 | Honored with the Taiwan Corporate Sustainability Report Award (Gold Medal) by the Taiwan Institute for Sustainable Energy. |
| Dec. | 2017 | Honored with the Hsinchu Science Park Innovative Product Award (Tri-radio Wi-Fi Smart Router) and R&D Accomplishment Award. |
| Dec. | 2017 | Honored with first prize in the "Buying Power: Social Innovation Products and Services Procurement Reward Program" by the Ministry of Economic Affairs. |
| May | 2018 | Obtained ISO 50001:2011 (Energy Management System) certification. |
| Aug. | 2018 | Honored as a Gold Winner at the 2018 IT World Awards (Tri-radio Wi-Fi Smart Router). |
| Aug. | 2018 | Honored as one of the Top 50 in Excellence in Corporate Social Responsibility by CommonWealth Magazine in the Large Enterprises group. |
| Nov. | 2018 | Honored with the Top 50–Platinum Medal at the Taiwan Corporate Sustainability Awards (TCSA) in the Corporate Sustainability Report Awards category by the Taiwan Institute for Sustainable Energy. |
| Dec. | 2018 | Commenced shipping the world's first 5G Mobile Hotspot. |
| Dec. | 2018 | Honored with the Hsinchu Science Park Innovative Product Award (Ultra-compact Automotive FHD Camera Module) and R&D Accomplishment Award. |
| Dec. | 2018 | Honored with first prize in the "Buying Power: Social Innovation Products and Services Procurement Reward Program" by the Ministry of Economic Affairs. |
| Dec. | 2018 | Honored by Asiamoney Magazine's Corporate Governance Poll as one of Asia's Outstanding Companies (2018). |
| Jan. | 2019 | Established WNC VIETNAM CO., LTD. in Vietnam. |
| Jan. | 2019 | WNC Tainan (S2) plant (on Beiyuan 3rd Rd. of the Tainan Science Park) obtained its factory registration certificate on January 31. |
| Apr. | 2019 | Ranked by 1111 Job Bank as one of the 20 Companies with the Happiest Employees in 2019: IT & IC Manufacturing. |
| Aug. | 2019 | Honored as a Gold Winner at the 2019 IT World Awards (Ultra-compact Automotive HD Camera Module). |
| Sept. | 2019 | Honored as one of the Top 50 in Excellence in Corporate Social Responsibility by CommonWealth Magazine in the Large Enterprises group. |
| Nov. | 2019 | Honored with the Taiwan Corporate Sustainability Awards (Gold Medal) in the Corporate Sustainability Report Awards category by the Taiwan Institute for Sustainable Energy. |
| Nov. | 2019 | Honored with the Outstanding Healthy Workplace Vitality Award in the 2019 National Healthy Workplace Program. |
| Nov. | 2019 | Honored with an elite award in the SGS CSR Awards. |
| Dec. | 2019 | Honored with second prize in the "Buying Power: Social Innovation Products and Services Procurement Reward Program" by the Ministry of Economic Affairs. |

# WNC Products & Service_Business Scope

Main business services

| | |
|---|---|
| CC01060 | Wired communication equipment and apparatus manufacturing |
| CC01070 | Wireless communication devices and equipment manufacturing |
| CC01101 | Restricted telecommunication radio frequency equipment and materials manufacturing |
| CC01080 | Electronic parts and components manufacturing |
| F401021 | Restricted telecommunication radio frequency equipment and materials import business |
| F401010 | International trade business |

Research, development, manufacturing, sales, and import/export business of products listed below:

- Satellite communications product series
- Mobile and portable communications product series


Source: 2019_WNC_Annual_Report_EN

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Research, development, manufacturing, sales, and import/export business of products listed below:

- Satellite communications product series
- Mobile and portable communications product series


Source: 2019_WNC_Annual_Report_EN

# WNC Products & Service_Current Product-1

| Category | Item |
|---|---|
| Satellite communications product series | • DTH TV dish antenna systems<br>• Single cable multi-output outdoor receiver systems and derivative products<br>• Satellite digital signal convertors<br>• Digital satellite radio receiver systems<br>• Digital HD radio receiver systems<br>• Satellite communications transmitters<br>• 4K/8K high-definition digital satellite radio receivers<br>• Lightweight high-frequency satellite two-way communications receivers |


Source: 2019_WNC_Annual_Report_EN

# WNC Products & Service_Current Product-2

| Category | Item |
|---|---|
| Mobile and home communications product series | • Wireless broadband access network communications equipment and modules<br>• Mobile indoor and outdoor broadband network terminal devices<br>• Next-generation mmWave cellular signal boosters<br>• Embedded antennas for mobile devices<br>• Fiber-optic connectivity devices<br>• Surveillance cameras<br>• Automotive cellular/Wi-Fi/BT modules<br>• V2X communication end devices<br>• Wi-Fi mesh routers<br>• BLE modules and sensors<br>• High-speed datacenter network switches<br>• Next-generation mmWave mobile broadband home gateways<br>• Smart home devices with voice assistant |
| Other wireless products | • Miniaturized high-frequency forward collision warning automotive radar devices<br>• Miniaturized high-definition automotive cameras<br>• mmWave transmission modules<br>• Industrial cellular modem<br>• Narrow-band IoT asset-tracking devices<br>• RFID reader/antenna product series |


Source: 2019_WNC_Annual_Report_EN

# WNC Products & Service_New Products Under Development

| Category | Items |
|---|---|
| Microwave communications product series | • Next-generation high-power mmWave transceivers<br>• Next-generation miniaturized mmWave RF/antenna units<br>• Outdoor mmWave long-range communication equipment |
| Mobile and home communications product series | • 802.11ax smart devices with voice assistant<br>• Wi-Fi 6E enterprise-level access point<br>• Microcell base station radio unit<br>• AIoT image sensors<br>• Automotive AI image sensors<br>• Next-generation V2X communication OBU<br>• V2X communication modules |


Source: 2019_WNC_Annual_Report_EN