



Quanta Computer

Embedded  
world  
2017

## Retail / Embedded Computing Solution

Smart Display Module  
Industrial Motherboards  
PC Stick



# About Quanta

Established in 1988, Quanta Computer is the largest notebook computer ODM company in the world. With leading technology and strong R&D capability, Quanta has become a leader in hi-tech markets and the best partner providing quality design and manufacturing services to top-notched brands worldwide for technology products. On top of the success in notebook PC market, Quanta has extended its business into communication, networking, consumer electronics, auto electronics and cloud computing solutions. With revealing "Cloud Computing" as the center of business innovation and development, Quanta has been integrating resources and redefining business model to capture emerging growth opportunities.

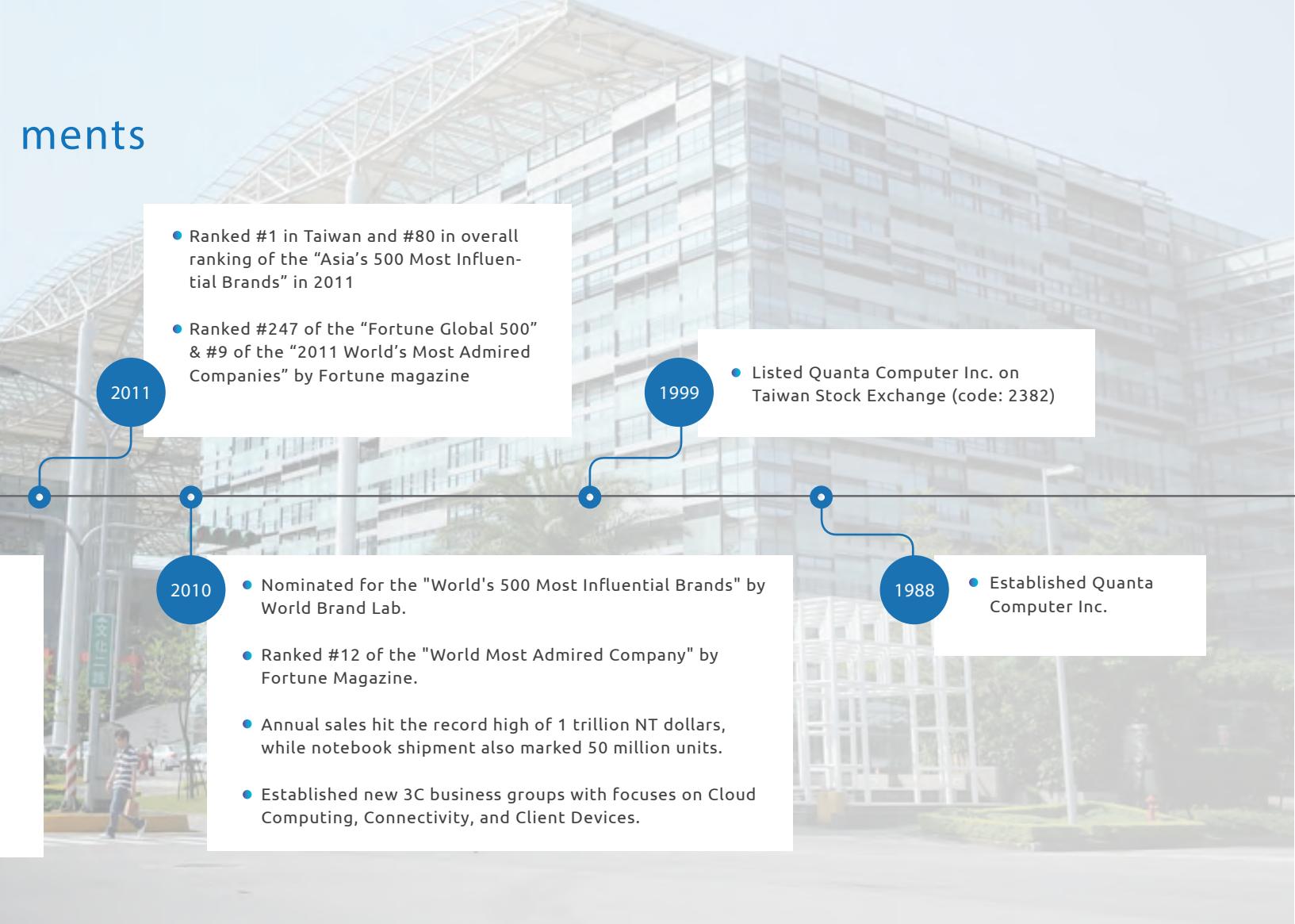
"Rooted in Taiwan with broad vision and aggressive expansion in the global market" is Quanta's strategy for long-term growth development. With "Quanta R&D Complex" (QRDC) as our global headquarters and the center of dynamics, we integrated worldwide resources in technology to ensure that Quanta Computer Inc. has technological advantages to design, develop, and manufacture high value-added products and solutions for customers. In addition, we have established operation centers across Asia, America, and Europe to manufacture, configure, and service products as well as to provide logistic supports to deliver products and services competitively everywhere in the world.

Quanta Computer continues to seek innovation and strives to exceed excellence through innovative product design, core technology advancement, and expansion into Non-NB product development. Quanta Computer is vastly invested in research & development with focuses on product innovation to further advance our competitive edge. In recent years, we have continuously demonstrate our innovative thinking in various areas, including cloud computing technology, servers, high definition video conferencing systems, touch panels, manufacturing processes, 3D images, and satellite technology. Furthermore, many intellectual property rights were granted to the aforementioned technology, while we expect to commercialize those innovative ideas in the future. The core business of Quanta Computer lies in notebook PCs, the area that we constantly demonstrate expertise and excellence in notebook manufacturing technology and innovative product design. In addition to our core business in notebook PCs, we expect product diversification into other non-NB area to accelerate gradually in coming years.

## Major Accomplish



# ments

- 
- Ranked #1 in Taiwan and #80 in overall ranking of the "Asia's 500 Most Influential Brands" in 2011
  - Ranked #247 of the "Fortune Global 500" & #9 of the "2011 World's Most Admired Companies" by Fortune magazine

2011

- Listed Quanta Computer Inc. on Taiwan Stock Exchange (code: 2382)

1999

- Nominated for the "World's 500 Most Influential Brands" by World Brand Lab.
- Ranked #12 of the "World Most Admired Company" by Fortune Magazine.
- Annual sales hit the record high of 1 trillion NT dollars, while notebook shipment also marked 50 million units.
- Established new 3C business groups with focuses on Cloud Computing, Connectivity, and Client Devices.

2010

1988

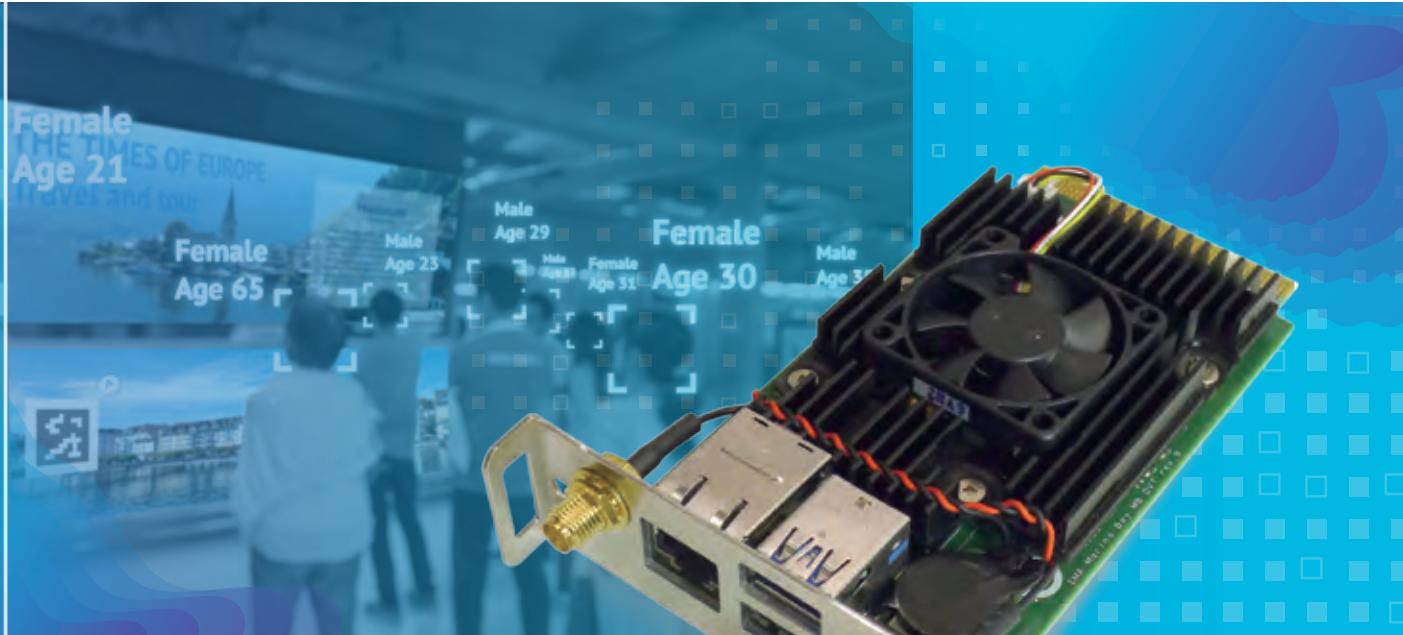
- Established Quanta Computer Inc.

# Global Service Network



## Quanta Computer Inc. (Taiwan)

- Add : 211, Wen Hwa 2nd Rd., Guishan Dist., Tao Yuan City 33377, Taiwan
- Tel : +886-3-327-2345
- Fax : +886-3-327-8855
- Website : <http://www.quantatw.com>



## Intel® Smart Display Module

Let your display literally OUT-OF-THE-BOX





### Standard Small Form Factor

- Only 6 x 10 cm, small and compact to save your design space
- Standard form factor to accelerate your time to market for new processor



### 4K2K Support

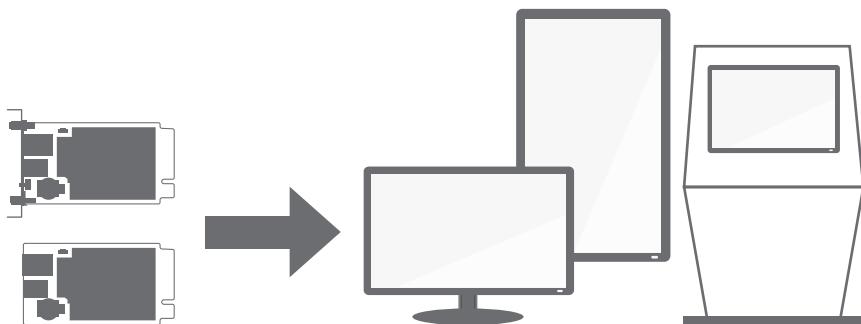
- DP1.2 signals through Edge Connector, supporting display resolutions up to 4K@60Hz.



### Slot-in Design

- Make upgrade and maintenance easy
- Reduce the e-waste during anticipated refresh or upgrade cycles

Just insert and done.  
Intel® Smart Display Module  
makes system integration easy!





Intel® Smart Display Module



## *For Information Kiosk*

Intel® Core™ CPU inside provide you high processing power for your application

## *For Digital Signage*

Compact, UHD and easy deployment



# Specification

Platform	Intel® Core™ Processor
PCB size	60mm x 100mm
RAM	Max 8GB LPDDR3 1866MHz on-board memory
Storage	64GB eMMC
Ethernet	Intel® I219-LM 10/100/1000Mbps LAN
WLAN	Intel® Dual Band Wireless-AC 8265 802.11a/g/n/ac + BT
Interface	PCI-E x8 Edge connector (98pins)
Display Interface	1x HDMI1.4 (through Edge connector) 1x DP1.2 (through Edge connector)
Expansion Ports through Edge Connector	1xUSB3.0 1xPCI-Express x 1
Supported OS	Windows 10/Windows 10 IoT Enterprise
IO Panel Ports	1x RJ45 (optional) 2x USB 3.0 (optional) 1x Reset button (optional) 1x Power button (optional)



A red industrial-grade motherboard is positioned in the lower right foreground, angled towards the viewer. It features a central processor, multiple RAM slots, and various expansion slots. Several metal connectors are visible, including a DVI port, two USB ports, an Ethernet port, and a serial port. The background is a soft-focus collage of images related to business and technology, such as a handshake, a smartphone, a lightbulb, and a financial chart with data points like 200.66 and 1500.

# Industrial Motherboards

Designed to exceed strict standard of performance

Reliability • Flexibility • Longevity



### Highly Expandable Capability

- Numerous IO ports to maximize expansion capability..  
Ideal solution for KIOSK, POS, Panel PC, Vending Machine and other applications.



### Various Options

- Designed with various Intel CPU including Xeon, Core i, Celeron, Pentium and Atom. Offer a wide range of computing capacities.



### Standard Form Factor

- Upgrade without compatibility concern.  
High performance and space-saving platform for embedded applications.

## Multiple form factor options



Micro ATX



Mini ITX



Nano ITX



Computer Module



Ideal solution for KIOSK, POS,  
Panel PC, Vending Machine and  
other applications.



# Specification

## Micro ATX

CPU	LGA1151 socket - Intel® Skylake-S w/ Q170 or Intel Xeon w/ C236
Memory	UDIMM DDR4 2133MHz SDRAM x 4 (Up to 64GB) & support ECC/None-ECC
Display	DVI, Display Port, HDMI, eDP/LVDS/VGA
Storage	SATA 3.0 x 4
Connectivity	RJ45 x 2
Expansion Slots	PCI, PCIe x 1, PCIe x 4, PCIe x 8, PCIe x 16, M.2
IO Ports	USB 2.0 x 4, USB 3.0 x 4, Audio 3 in 1, RS232, RS485/RS422 x1, I2Cx1, LPC x1, GPIO (16 bits)
Dimensions	244mm x 244mm
OS	Windows 7, Windows 10, Linux

# Specification

## Mini ITX

CPU	LGA1151 socket - Intel® Intel Skylake-S w/ Q170 or Intel Xeon w/ C236
Memory	SODIMM DDR4 2133MHz SDRAM x 2 (Up to 32GB) & support ECC/None-ECC
Display	VGA, Display Port, HDMI, eDP/LVDS
Storage	SATA 3.0 x 2
Connectivity	RJ45 x 2
Expansion Slots	Mini PCIe, PCIe x 16, M.2
IO Ports	USB 2.0 x 2, USB 3.0 x 2, Audio 3 in 1, RS232, RS485/RS422 x 1, I2C x 1, LPC x 1, GPIO(8 bits)
Dimensions	170mm x 170mm
OS	Windows 7, Windows 10, Linux

# Specification

## Nano ITX

CPU	Pentium N3710, Celeron N3160, Atom X5-E8000
Memory	SODIMM DDR3L 1600MHz SDRAM Up to 8GB
Display	Display Port, HDMI, eDP/LVDS/VGA
Storage	SATA SSD x 2
Connectivity	RJ45 x 2 (one RJ45 ports transformer can support PoE PD feature)
Expansion Slots	Mini PCIe, PCIe x 16, M.2
IO Ports	USB 3.0 x 2, Audio 2 in 1, DC Jack, UART, I2C x 1 GPIO(8 bits)
Dimensions	120mm x 120mm
OS	Windows 7, Windows 10, Linux

# Specification

## Computer Module

CPU	Pentium N3710, Celeron N3160, Atom X5-E8000
Memory	On Board DDR3L 1600MHz SDRAM Up to 4GB
Display	HDMI, LVDS/eDP
Storage	eMMC 8GB ~ 32GB
Ethernect Controller	Intel® i211AT on module
Features Set	Ethernet x 2, PCIe x 3, SATA x 2, USB 2.0 x 4, USB 3.0 x 2, UART x 1, LPC x 1, SD/eMMC x 1,I2C x 1, SMB x 1, SPI Bus, HDA/I2S x 1
Dimensions	70mm x 70mm





# PC Stick

Experience PC Performance in Your Palm





### HDMI CEC

- Power on/off PC Stick, CEC-enabled TV/display
- Ideal solution to simultaneously control power of multiple signages or displays with HDMI input



### World's Smallest PC

- 109mm x 38mm x 9.8mm
- Extremely portable and easy to use
- Suitable for applications require space-saving PC.



### ShareKanTan

- Download free app and turn
- Stream images, videos and files from mobile device to TV/display/signage

| Nano computer for any display with HDMI port



+



or



or



PC Stick

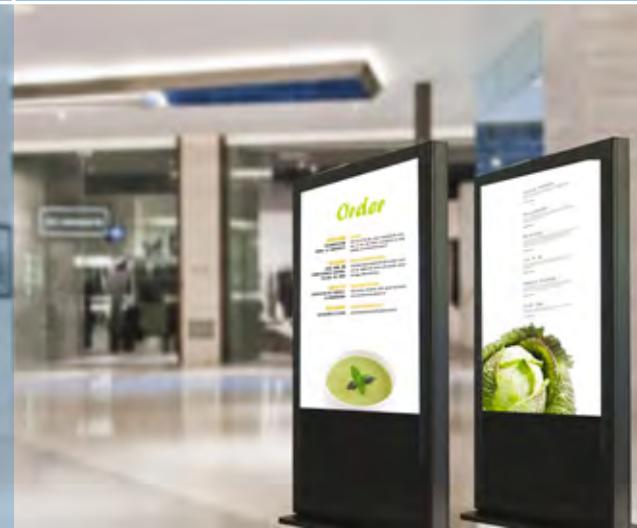
LCD Panel

LCD Signage

Projector



Digital menu, advertising, brand building, public information, office solution, a more cost-effective way to maximize the advantage of PC Stick.



## Specification

CPU	Intel Atom x5 Z8300 1.44GHz
Memory	2GB DDR3L
Storage	eMMC 32GB
Expandable	Micro SD Card Slot (max 128GB)
Connectivity	2.4 GHz wireless frequency
I/O ports	Display – HDMI Power input – micro USB USB2.0
Adaptor	5V/2V