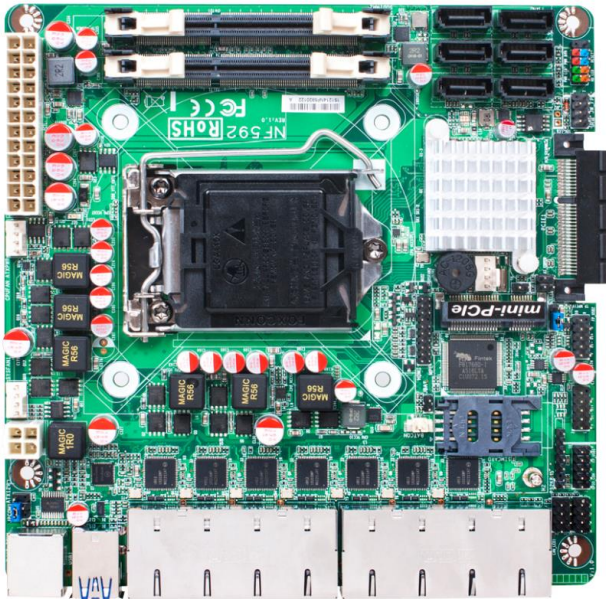
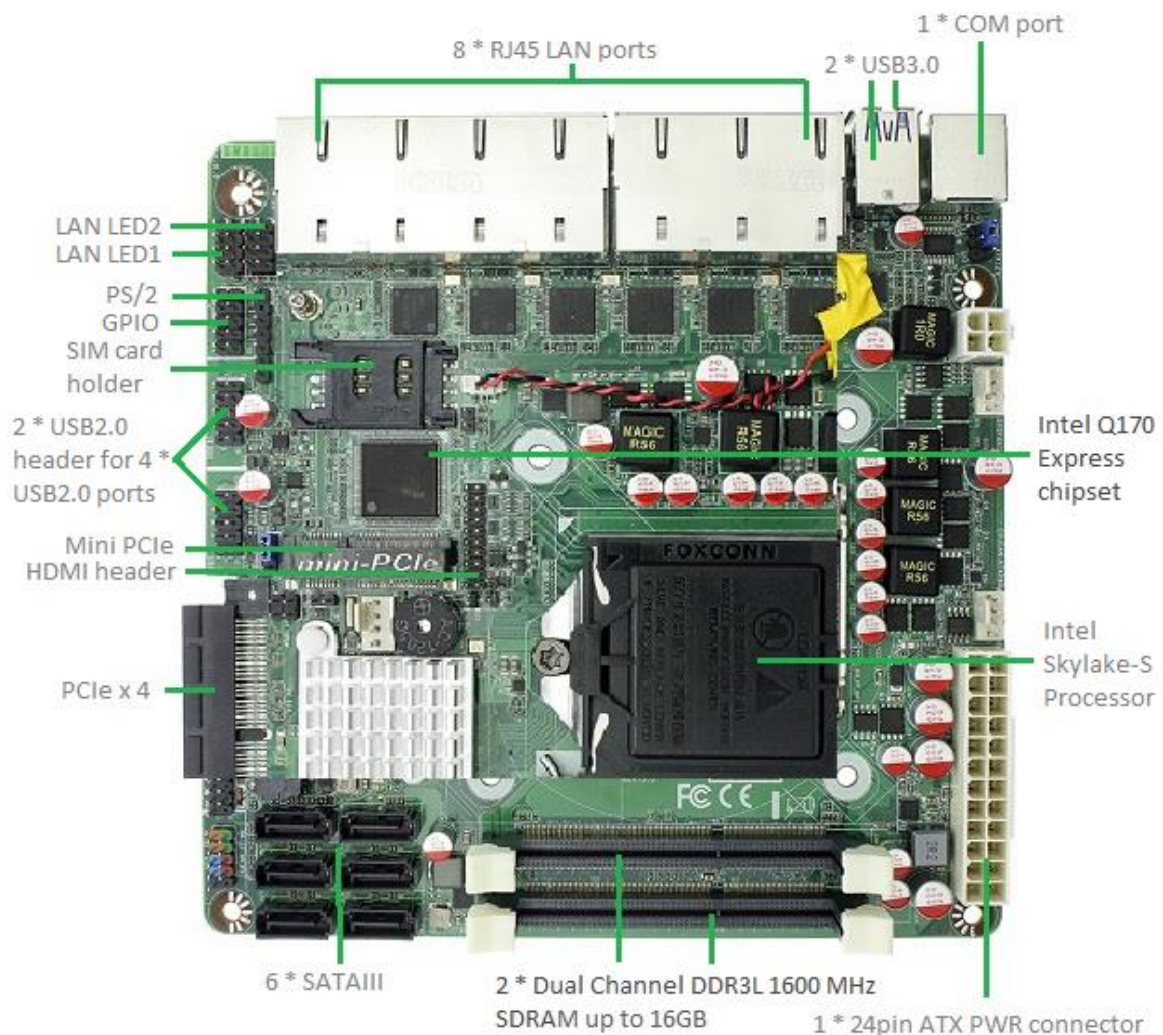
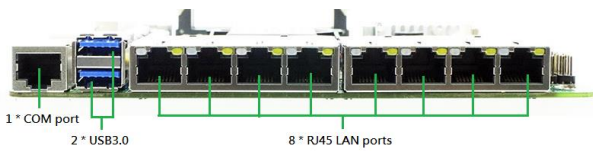


# Mini-ITX Motherboard

# NF592-Q170



1. Intel® Q170 Express Chipset
2. Supports Intel LGA 1151 Socket Core™ i3, i5, i7 & Pentium Processors (max 65W)
3. Supports Dual Channel DDR3L 1600 MHz, 2 x SO-DIMM, up to 16GB system memory
4. 7 \* Intel i211AT & 1 \* i219LM Gigabit LAN
5. Intel Active Management Technology ( iAMT 10.0)
6. Side PCI Express x4 Slot
7. 6-ports SATA III 6Gb/s support RAID 0, 1, 5, 10
8. 3G module with SIM card slot
9. 1 \* internal HDMI port
10. 2 \* USB 3.0, 4 x USB 2.0
11. 1 \* mini-PCIe, 1 x PCIe4 side-slot
12. 1 \* Onboard TPM (option)



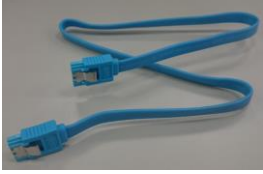
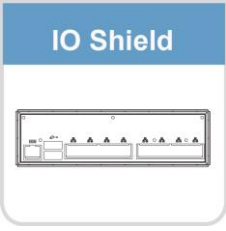
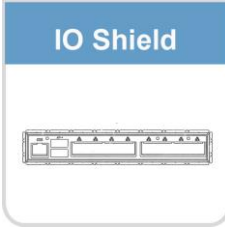



Product Specifications	
<b>Form Factor</b>	
Dimensions	- Thin Mini-ITX (6.7-in x 6.7-in, 170 x 170mm)
<b>Processor System</b>	
CPU	- Intel® LGA 1151 Socket Core i7/i5/i3/Pentium Processor - Supports Hyper-Threading Technology
Core Number	- (By CPU)
Max Speed	- (By CPU)
L2 Cache	- (By CPU)
Chipset	- Intel Q170 Express chipset
BIOS	- AMI 128Mb SMT Flash ROM
<b>Expansion Slot</b>	
Mini-PCIe	- 1 (full size)
mSATA	- 0
PCIe	- 1 * PCIe4 side-slot (4 * PCIe1 combo signal)
SIM	- 1
<b>Memory</b>	
Technology	- Dual Channel DDR3L 1600 MHz SDRAM
Max.	- 16GB
Socket	- 2 x SO-DIMM
<b>Graphics</b>	
Controller	- Intel® Gen9 Graphics supports DX 11/12, OGL4.3/4.4
VRAM	- Shared Memory
VGA	- 0
LVDS	- 0
HDMI	- 1 (Internal)
MultiDisplay	- No
<b>Ethernet</b>	
Ethernet	- 10/100/1000 Mbps
Controller	- GbE LAN: Intel i211AT * 7 & i219LM * 1
Connector	- 8 x RJ 45
<b>SATA</b>	
Max Data Transfer Rate	- 6 x SATAIII (6.0Gb/s)
<b>Rear I/O</b>	
VGA	- 0
HDMI	- 0
Ethernet	- 8
USB	- 2 x USB 3.0

Audio	- 0
Serial	- 1 x RS-232
PS2	- 0
DC-input	- 0
<b>Internal Connector</b>	
USB	- 4 x USB 2.0
LVDS / inverter	- 0
Serial	- 0
SATA	- 6
mPCIe	- 1
mSATA	- 0
Chassis intrusion	- 1 (via 12pin header)
PS/2	- 1
Audio Header	- 0
<b>Watchdog Timer</b>	
Output	- From Super I/O to drag RESETCON#
Interval	- 256 segments, 0,1,2...255sec/min
<b>Power Requirements</b>	
Input PWR	- ATX PWR (4+24 pin)
Power On	AT/ATX Supported - AT : Directly PWR on as Power input ready - ATX: Press Button to PWR on after Power input ready
<b>Certifications</b>	
Certifications	- CE, FCC, RoHS, REACH
<b>Environment</b>	
Temperature	- Operating: 0°C – 60°C
	- Storage: -20°C – 85°C

\*For further information please visit the website at <http://www.jetwayipc.com>

\*The Specification may be changed without further notice.

Product Accessories			
<b>Parts</b>	<b>Manual</b>	<b>CD Driver</b>	<b>SATA cable</b>
<b>P/N</b>	G03-NF592-F	G02-DVD22-A4-WF	G01-SATA3-BL-1F
<b>Q'ty</b>	1	1	2
<b>Picture</b>			
<b>Parts</b>	<b>I/O Shield</b>	<b>I/O Shield</b>	<b>HDMI cable</b>
<b>P/N</b>	F04-MB-045-F	F04-MB-046-F	G01-2X10A-HDMI-F
<b>Q'ty</b>	1	1	1
<b>Picture</b>			

Product Application					
	Panel PC (工業平板電腦)		Medical (醫療)	V	POE/Surveillance (安防監控)
	Commercial (商業應用)		POS/KIOSK (零售系統)		Power (電力系統)
	Banking (銀行金控)		Industrial Automation (工業自動化)		Mobile (移動系統)
	Military (軍方應用)		Transportation (交通)		Storage(Nas) (存儲系統)
	Digital Signage (數字標牌)		Telecom (通訊)	V	I.O.T(物聯網)
	Gaming (博奕)	V	Networking (網絡應用)		AIO(一体机)