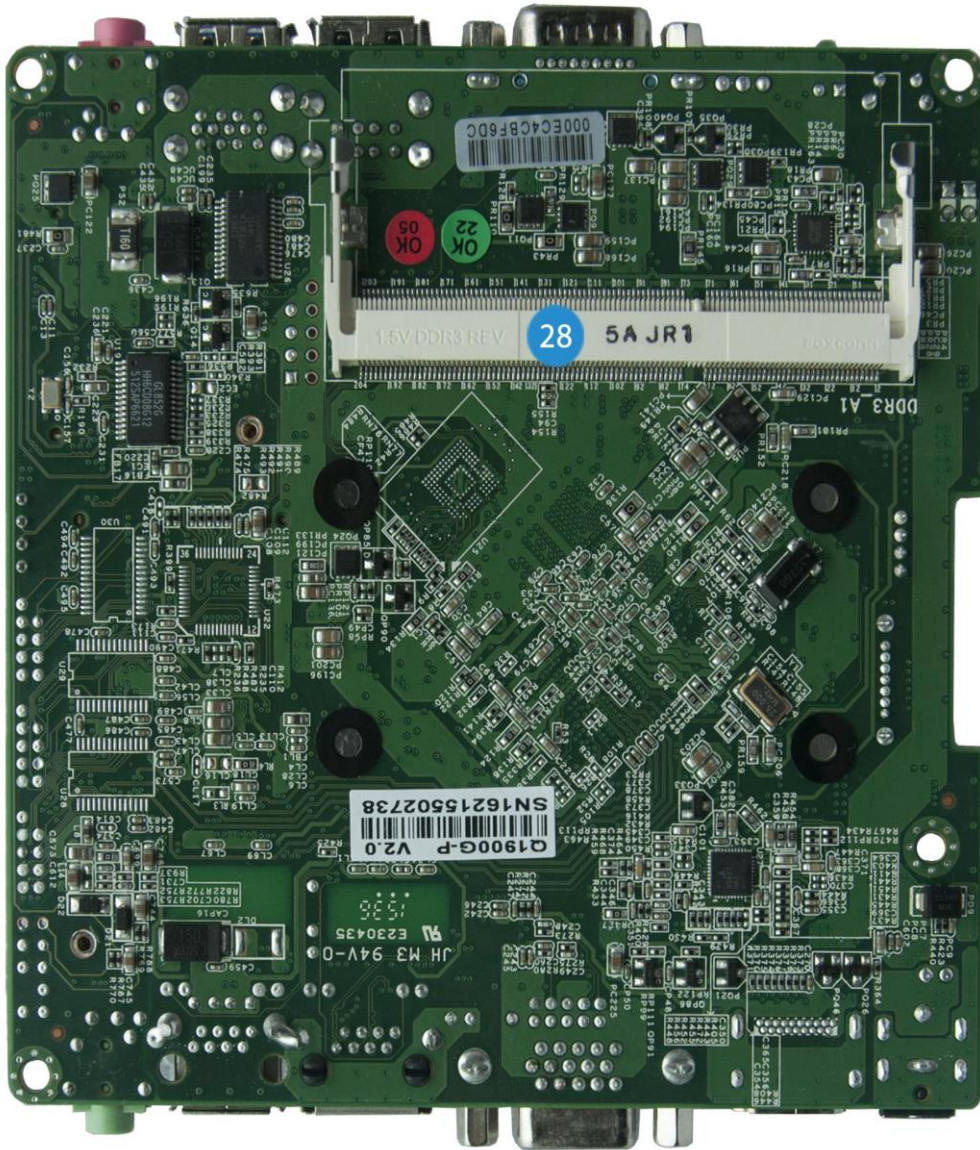


- 1 12V to 19V DC in connector
- 2 HDMI connector
- 3 VGA connector
- 4 Lan connector
- 5 4 \* USB 2.0 ports
- 6 (Line out): Connect to outside audio device
- 7 SATA 3.0 port (6.0 Gb/s)
- 8 SATA power connector
- 9 Mini PCI Express connector for WIFI and Bluetooth
- 10 Mini PCI Express connector for Msata SSD
- 11 Intel Celeron Processor J1800/J1900 - Baytrail
- 12 1 \* USB 3.0 port
- 13 Serial port - COM1
- 14 Power button
- 15 MIC: Connect to outside microphone
- 16 Front panel audio header
- 20 Front panel USB 2.0 header
- 21 System fan header
- 22 VGA port connector
- 23 Power led
- 24 Front panel header
- 25 Debug or Expand connector
- 26 DC in connector
- 27 Battery header

28 DDR3L SO-DIMM 0 socket



## Q1800N Nano Motherboard Datasheet

NO.	TYPE	Description
1	Mechanical standard	NANO ITX Industrial Motherboard
		120mm x 120mm
2	Processor	Intel Celeron Processor J1800 (1M Cache, up to 2.58 GHz)
		With up to 10 W TDP
3	BIOS	AMI BIOS
		16MBit SPI BIOS
4	Memory	One 204-pin DDR3 SDRAM Small Outline (SO-DIMM) socket
		Support DDR3L 1333 MHz and DDR3 1600 MHz SO-DIMM, 1.35V
		Support 8GB MAX
5	Graphics	Intel HD Graphics
		Display: VGA / HDMI Dual Display
		* 1x HDMI (port), 1x VGA (pin)
6	LAN	1x Realtek RTL8111E 1000M
7	Audio	Realtek ALC662 HD Audio Decoding controller
		6 Channel Audio output
		Line out + MIC IN Port
8	COM	1x COM(RS232 port)
9	USB	4x On-board USB 2.0
		1x On-board USB 3.0
		1x Pin interface USB 2.0
10	Storage	1x SATA 3.0 (6Gb/s)
		1x Mini PCIE port
11	Expansion Port	1x PCI Express Full-Mini Card connector ( for mSATA SSD )
		1x PCI Express Half-Mini Card connector ( for WIFI and Bluetooth )
		1x SATA power connector
		1x SATA 3.0 connector (6Gb/s)
		1x DDR3 SO-DIMM socket
		1x Front panel header
		1x 9 Pin VGA header
		1x Front panel audio header
1x Front panel dual-port USB 2.0 header		
12	Front Panel	1x Push button for Power ON/OFF
		1x Power LED
		3x USB 2.0 ports
		1x USB 3.0 port
		1x Serial port
		1x Mic in port
13	Black Panel	1x DC in connector
		1x HDMI port
		1x VGA (D-Sub) port
		1x RJ45 1000M port
		1x USB 2.0 port
		1x Speaker out port
14	Power Supply	DC 12-19V
15	Working condition	Operation Temperature-10°-50°C
		Operation Humidity 10%-90% Relative Humidity, Non-Condensing
16	Accessories	Cable for SATA HDD