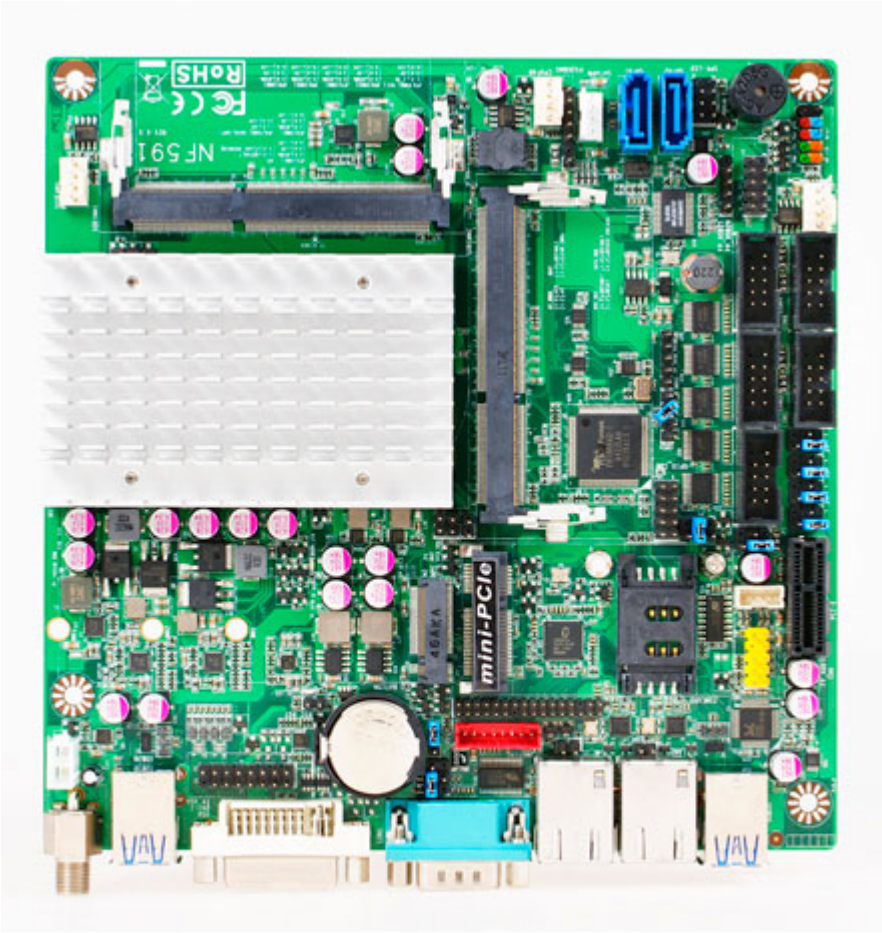

999.00 EUR
incl. 19% VAT, plus shipping

- Intel® Braswell Celeron® Processor N3160 1.6G Quad Core
- Support DDR3L 1600MHz Dual Channel,
- 2 * SO-DIMMs, Max. up to 8GB
- Support VGA, DVI-D, LVDS 3 Independent Display
- Realtek RTL8111G PCIe GbE, 2 * RJ45 ports
- Support 2 * Serial ATAIII (6Gb/s)
- 1 * External COM (RS232/422/485),
- 5 * Internal COM (RS232)
- COM ports with 5V/12V power selectable
- 4 * External USB3.0 & 3 * Internal USB1.1/2.0
- 1 * PCIe x1 slot, 1 * Full size mPCIe
- 1 * M.2 (SATA interface only, M key-2242/2260/2280)
- 1 * SIM Card Holder
- 1 * Internal 4 Channel Audio (Line Out & MIC)
- Lockable DC input over/under voltage protection
- 3 * 4pin FAN type auto detection
- Thin Mini-ITX Form Factor (170mm x 170mm)

Product Specifications	
Form Factor	
Dimensions	- Thin Mini-ITX (170 x 170mm)

Processor System	
CPU	- Intel® Braswell Celeron® Processor N3160, TDP : 6W (N3150 before December 2016)
Core Number	- Quad Core
Speed	- Processor Base Frequency : 1.6GHz, Burst Frequency : 2.08GHz
L2 Cache	- 2MB
Chipset	- SoC
BIOS	- AMI 64Mb Flash ROM
Expansion Slot	
PCI	- 0
PCIe	- 1 (x1 slot)
Memory	
Technology	- Dual Channel DDR3L 1600 MHz SDRAM
Max.	- 8GB
Socket	- 2 * SO-DIMM
Graphics	
Controller / VRAM	- Intel® HD Graphics / Shared system memory
VGA	- Yes (Max. Resolution : 1920X1200@60Hz)
DVI-D	- Yes (DVI-D, Max. Resolution : 1920X1200@60Hz)
HDMI	- No
DisplayPort	- No
eDP	- No
LVDS	- Yes (24-bits Dual Channel, Max. Resolution : 1920X1080@60Hz)
MultiDisplay	- Yes (3 Independent Display)
Ethernet	
Interface	- 10/100/1000 Mbps
Controller	- PCIe GbE LAN : Realtek RTL8111G
Connector	- 2 * RJ 45
Audio	
CODEC	- HD Audio : Realtek ALC662VD
Channel	- 4 Channel
SATA	
Max. Data Transfer Rate	- 2 * SATAIII (6.0Gb/s)
RAID Support	- No

Rear I/O			
VGA	- 0	**SPDIF Output**	- 0
DVI-D	- 1	**Serial**	- 1 (RS232/422/485 with 5V/12V selectable header)
HDMI	- 0		
DisplayPort	- 0	**Parallel**	- 0
Ethernet	- 2	**eSATA**	- 0
USB	- 4 (USB 3.0)	**PS2**	- 0
Audio	- 0	**DC-Input**	- 1 (12V Lockable DC-In PWR Jack)
Internal Connector			
USB	- 3 (USB1.1/2.0)	**SIM Card Holder**	- 1
PS/2	- 1	**CFast Card Socket**	- 0
LVDS / Inverter	- 1 (24 bits Dual Channel) / 1	**CF Card Socket**	- 0
		CIR	- 0
VGA	- 1	**GPIO 8-bit**	- 1 (4in/4 out)
Serial	- 5 (RS-232 with 5V/12V selectable header)	**Chassis intrusion**	- 1
		Audio Header	- 1 (Line Out & MIC)
Parallel	- 0	**SPDIF**	- 0
SATA	- 2 (SATAIII 6.0Gb/s)	**HDMI-SPDIF**	- 0
mPCIe	- 1 (Full size)	**SMBUS/ I2C**	- 1 (I2C)

		AT mode jumper	- 1
mSATA	- 0	**Jetway Daughter**	- 0
M.2	- 1 (SATA interface only, M key-2242/2260/2280, shared with SATA2)	**Audio Amplifier Header**	- 1 (3W Amp)
Other			
Power	- 12V Lockable DC-In PWR Jack, Supports AT/ATX Mode		
Watchdog Timer	- Programmable 1 ~ 255 sec/min		
Certifications	- CE, FCC, RoHS, REACH		
Temperature	- Operating : 0■ ~ 60■, Storage : -20■ ~ 85■		