

SPECTRA BOARD-SET ATX Q370

ATX MOTHERBOARD WITH INTEL® CORE™ i7-8700 COFFEE LAKE CPU, COOLER, 16 GB DDR4 & WINDOWS® 10 IOT ONBOARD & PSU

SYSTEM

CPU-Socket	LGA1151 for 8th Gen. Intel® Core™, Xeon®, Celeron®, Pentium® CPUs, max 65 W
Chipset	Intel® Q370
BIOS	AMI UEFI
Memory	4 x 288-pin 2666 MHz DDR4 DIMM, max. 64 GB

CONTROLLERS

Graphics	Intel® HD Graphics <ul style="list-style-type: none"> Max. Resolution: <ul style="list-style-type: none"> HDMI 4.096 x 2.160@24Hz DP 4.096 x 2.304@60Hz VGA 1.920 x 1.200@60Hz support 3 independent Displays 1 x VGA, 1 x HDMI, 2 x DP
Network	<ul style="list-style-type: none"> 1 x Intel® I219LM Gigabit-LAN 2 x Intel® I210AT Gigabit-LAN 3 x RJ45
Audio	Realtek® ALC887-VD2-CG

MULTI I/O/S

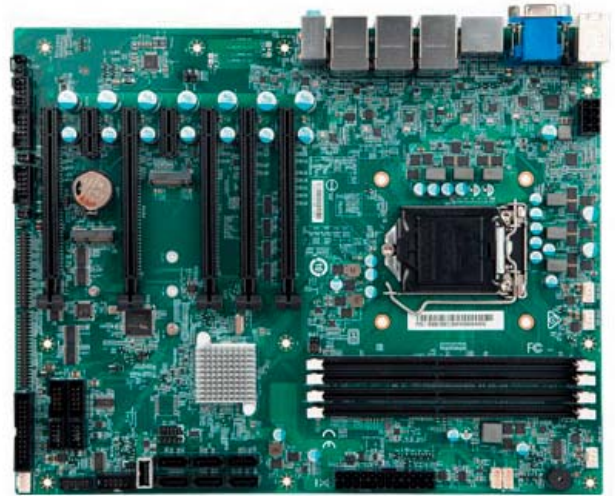
Chipset	Fintek F81866AD-1 <ul style="list-style-type: none"> COM1~2: RS-232/422/485 COM3~10: RS-232 1 x LPT 1 x PS/2
USB	<ul style="list-style-type: none"> 6 x USB3.1 Gen2 7 x USB2.0 (5 of which internal)
Others	TPM, 16-bit digital I/O-Interface

STORAGE & EXPANSIONS

Storage	<ul style="list-style-type: none"> 6 x SATA-6G with RAID 0/1/5/10 support
PCIe / mPCIe	<ul style="list-style-type: none"> 3 x PCIe(x16) (Signal config. as 1 PCIe16 or 2 PCIe8 or 1 PCIe8+2 PCIe4) 2 x PCIe(x4) (1 x NVMe) 2 x PCIe(x1)
PCI / mPCI	-
Others	<ul style="list-style-type: none"> 1 x M.2 M Key (PCIe4 M.2, SATA 3.0)

MECHANICAL & ENVIRONMENT CONDITIONS

Form factor	ATX
Dimensions	305 x 244 mm
Power	ATX 24-Pin, 12 V-8-Pin
Temperatures	Operating: -10°C to +60°C Storage: -20°C to +80°C Rel. humidity: 10 to 90%, non condensing



BOARD-SET EQUIPMENT

CPU	Intel® Core® i7-8700 3,2 GHz, 65 W TPD
Cooler	Cooler S115x SBC/MB Standard Core-i 2HE 84W, 21-35dBA, Cu/Al, PWM, 30mm (Back-plate)
RAM	2 x 8 GB DDR4 DIMM PC2666, 1GBx8 SR, Samsung, 1,2V
PSU	PS/2, 500 W, Full-Range, 80+Platinum + Power cable, cold appliances, plug D 1.8 m
OS	Windows 10 IoT Enterp. LTSC Hi-End (PKEA) with Setup-Stick Win10 IoT Field Upgrade 2021 (PKEA)



ORDERING INFORMATION

N° 159329 Spectra Board-Set, ATX Q370

ATX Board, incl. Core™ i7-8700 CPU, 16 GB RAM, Cooler, Win10 IoT, PSU