

SPECTRA BOARD-SET PICMG1.3 Q170

PICMG1.3 CPU CARD WITH INTEL® CORE™ I7-7700K KABY LAKE CPU, COOLER, 8 GB DDR4 & WINDOWS® 10 IOT ONBOARD & PSU

SYSTEM

CPU-Socket	LGA1151 for 6th Gen. Intel® Core™, Celeron®, Pentium® CPUs
Chipset	Intel® Q170
BIOS	AMI UEFI
Memory	4 x 288-pin 1867/2133 MHz DDR4 DIMM, max. 64 GB

CONTROLLER

Graphics	Intel® HD Graphics 9 Gen. - 1 x VGA, 1 x iDP
Network	- 1 x Intel® I219LM Gigabit-LAN (iAMT 11) 1 x Intel® I210 Gigabit-LAN - 2 x RJ45
Audio	via opt. AC-Kit-892HD

MULTI I/O/S

Chipset	- 2 x RS-422/485 - 2 x RS-232 - 1 x LPT - 1 x PS/2 (6-Pin Wafer)
USB	- 4 x USB3.0 (2 of which internal) - 7 x USB2.0 (all internal)
Others	TPM, I ² C, SMBus, Infrared, 8-bit digital I/O-Interface

STORAGE & EXPANSIONS

Storage	- 6 x SATA-6G with RAID 0/1/5/10 support
PCIe / mPCIe	- 1x PCIe(x16) or 2x PCIe(x8) or 1x PCIe(x8) + 2x PCIe(x4) - 4x PCIe(x1) or 1x PCIe(x4) - 1 x mPCIe
PCI / mPCI	- 4 x PCI signal via golden finger
Others	- 1 x mSATA (shared with mPCIe)

MECHANICAL & ENVIRONMENT CONDITIONS

Form factor	PICMG 1.3
Dimensions	338 x 126 mm
Power	AT/ATX, 5V/12V
Temperatures	Operating: -20°C to +60°C Rel. humidity: 10 to 95%, non condensing



BOARD-SET EQUIPEMENT

CPU	Intel® Core® i7-7700 3,6 GHz, 65 W TPD
Cooler	Cooler LGA1150/95W
RAM	2 x 4 GB DDR4 DIMM PC2400, 1Gx8 DR, Samsung, 1,2V
Backplane	PICMG1.3, 13-Slot, 4 PCIe, 8 PCI
PSU	PS/2, 600 W ATX, PFC + Power cable, cold appliances, plug D 1.8 m
OS	Windows 10 IoT Enterp. LTSC Hi-End (PKEA) + Setup-Stick Win10 IoT Field Upgrade 2021 (PKEA)



ORDERING INFORMATION

N° 159333 Spectra Board-Set PICMG1.3 Q170

PICMG 1.3 CPU-card, incl. Core™ i7-7700 CPU, 8 GB RAM, Cooler, Win10 IoT, PSU

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