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Asrock extreme 4 manual

ASRock DuraCap (2.5 x longer life time), 100% Japan made high quality conductive polymer capacitors Digi Power, Supports AM3+ Processor, 8-Core CPU Supports Dual Channel DDR3 2100(OC) Supports AMD Quad CrossFireX™, 3-Way CrossFireX™ and CrossFireX™ Supports NVIDIA® SLI™ 4 x USB 3.1 Gen1, 5 x SATA3, 2 x IEEE 1394, Dr. Debug, Power/Reset/Clear CMOS Switch with LED 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec) Supports ASRock XFast RAM, XFast LAN, XFast USB Technologies Supports Graphical UEFI, On/Off Play, Instant Boot, Instant Flash, APP Charger, Turbo UCC, APP Shop Free Bundle : CyberLink MediaEspresso 6.5 Trial This model may not be sold worldwide. Please contact your local dealer for the availability of this model in your region. - Support for Socket AM3+ processors- Support for Socket AM3 processors: AMD Phenom™ II X6 / X4 / X3 / X2 (except 920 / 940) / Athlon II X4 / X3 / X2 / Sempron processors- Supports 8-Core CPU- Supports UCC feature (Unlock CPU Core)- Digi Power Design- 4 + 1 Power Phase Design- Supports CPU up to 140W- Supports AMD's Cool 'n' Quiet Technology- FSB 2400 MHz (4.8 GT/s)- Supports Untied Overclocking Technology- Supports Hyper-Transport 3.0 (HT 3.0) Technology - Northbridge: AMD 970- Southbridge: AMD SB950 - Dual Channel DDR3 memory technology- 4 x DDR3 DIMM slots- Supports DDR3 2100(OC) / 1866*/1800*/1600*/1333/1066/800 non-ECC, un-buffered memory- Max. capacity of system memory: 64GB***1866/1800 / 1600MHz memory speed is supported depend on the AM3/AM3+ CPU you adopt. For detail CPU specification, please refer AMD official website.**To reach the maximum 64GB of system memory, memory modules with 16GB capacity or above are required. ASRock will update the memory support list on the official website once these memory modules are available on the market.***Due to the operating system limitation, the actual memory size may be less than 4GB for the reservation for system usage under Windows® 32-bit OS. For Windows® 64-bit OS with 64-bit CPU, there is no such limitation. - 32Mb AMI UEFI Legal BIOS with GUI support- Supports "Plug and Play"- ACPI 1.1 Compliance Wake Up Events- Supports jumperfree- SMBIOS 2.3.1 Support- CPU, VCCM, NB, SB Voltage Multi-adjustment - 7.1 CH HD Audio with Content Protection (Realtek ALC892 Audio Codec)- Premium Blu-ray audio support - PCIE x1 Gigabit LAN 10/100/1000 Mb/s- Realtek RTL8111E- Supports Wake-On-LAN- Supports LAN Cable Detection- Supports Energy Efficient Ethernet 802.3az- Supports PXE - 3 x PCI Express 2.0 x16 slots (PCIE2/PCIE4: single at x16 (PCIE2) / x8 (PCIE4), or dual at x8 (PCIE2) / x8 (PCIE4) ; PCIE5: x4 mode)- 2 x PCI Express 2.0 x1 slots- 2 x PCI slots- Supports AMD Quad CrossFireX™, 3-Way CrossFireX™ and CrossFireX™- Supports NVIDIA® SLI™ - 5 x SATA3 6.0 Gb/s connectors, support RAID (RAID 0, RAID 1, RAID 0+1, JBOD and RAID 5), NCQ, AHCI and Hot Plug functions*- 1 x IR header- 1 x CIR header- 1 x COM port header- 1 x IEEE 1394 header- 1 x HDMI_SPDIF header- 1 x Power LED header- CPU/Chassis/Power FAN connector- 24 pin ATX power connector- 8 pin 12V power connector- Front panel audio connector- 3 x USB 2.0 headers (support 6 USB 2.0 ports)- 1 x USB 3.1 Gen1 header (supports 2 USB 3.1 Gen1 ports) (Asmedia ASM1042)- 1 x Dr. Debug (7-Segment Debug LED)***RAID 5 is not supported with Windows® 7 and Widows 10**Check the Dr. Debug code list here. I/O Panel- 1 x PS/2 Mouse Port- 1 x PS/2 Keyboard Port- 1 x Coaxial SPDIF Out Port- 1 x Optical SPDIF Out Port- 4 x USB 2.0 Ports- 1 x eSATA3 Connector- 2 x USB 3.1 Gen1 Ports (Asmedia ASM1042)- 1 x RJ-45 LAN Port with LED (ACT/LINK LED and SPEED LED)- 1 x IEEE 1394 Port- 1 x Clear CMOS Switch with LED- HD Audio Jack: Side Speaker / Rear Speaker / Central / Bass / Line in / Front Speaker / Microphone - ASRock Extreme Tuning Utility (AXTU)- ASRock Instant Boot- ASRock Instant Flash- ASRock APP Charger- ASRock APP Shop- ASRock XFast USB- ASRock XFast LAN- ASRock XFast RAM- ASRock On/Off Play Technology- Hybrid Booster:- CPU Frequency Stepless Control- ASRock U-COP- Boot Failure Guard (B.F.G.)- Turbo UCC - 1 x Power Switch with LED- 1 x Reset Switch with LED- 1 x Clear CMOS Switch with LED - Drivers, Utilities, AntiVirus Software (Trial Version), CyberLink MediaEspresso 6.5 Trial - 1 x ASRock SLI_Bridge_2S Card- Quick Installation Guide, Support CD, I/O Shield- 4 x SATA Data Cables (optional)- 1 x 3.5mm Audio Cable (optional) - CPU Temperature Sensing- Chassis Temperature Sensing- CPU, Chassis, Power Fan Tachometer- CPU Quiet Fan- CPU, Chassis Fan multi-speed control- Voltage Monitoring: +12V, +5V, +3.3V, Vcore - ATX Form Factor: 12.0-in x 9.6-in, 30.5 cm x 24.4 cm- All Solid Capacitor design (100% Japan made high quality conductive polymer capacitors) - Microsoft® Windows® 10 64-bit / 8.1 32-bit / 8.1 64-bit / 8 32-bit / 8 64-bit / 7 32-bit / 7 64-bit / Vista™ 32-bit / Vista™ 64-bit / XP 32-bit / XP 64-bit - FCC, CE- ErP/EuP Ready (ErP/EuP ready power supply is required)