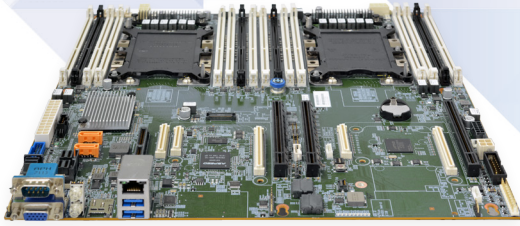


# Inventec® at core

*Best CP Ratio Board for Wide Applications*



## B880G4 - Common EATX Motherboard

B880G4 motherboard targets general purpose usage for enterprises and datacenters with dual Intel® Xeon® Scalable Processors, sixteen DIMM capacity (up to 2TB with 128GB DIMMs) and rich expansion choices from OCP 2.0 and PCH PHY mezzanine, as well as standard PCIe Gen3 slots. Offering better flexibility and higher performance in standard EATX form factor, B880G4 is made widely applicable for a great variety of virtualization solutions, big data analysis scenarios, among others. The series presents,

### Highlights -

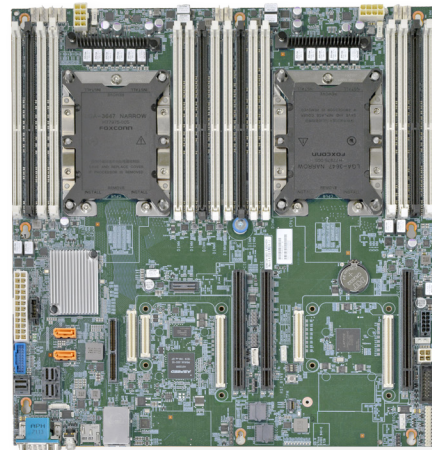
- Non-shadow standard MLB with dual Intel® Xeon® Scalable Processors
- Flexible I/O Design with Great Scalability

### Advanced Computing Performance

B880G4 is based on dual Intel® Xeon® Scalable Processors with optional support of single CPU operation, enabling latest Intel® technologies such as Intel® Optane™ Persistent Memory which is ready with platform codenamed Cascade Lake, Intel® VROC, and boosted performance, including 1.5x memory bandwidth, 2x FLOPs capability, and faster socket interconnection compared with previous platform.

### High Scalability and IO Flexibility

B880G4 boasts high-level of IO flexibility that optimizes the scale-out fabrics, offering multiple storage options, which include two M.2 SATA SSDs from SATA connectors, or two M.2 NVMe via interposer connections, and a variety of storage mezzanine cards.



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Meanwhile, a variety of network choices are provided through the PCH PHY and up to two OCP 2.0 mezzanine slots, ranging from 10G Ethernet to 100G (optical or Base-T, compatible with OCP 2.0). Standard PCIe card option is supported too by the PCIe Gen3 x16 expansion slot. The high-speed performance and IO flexibility are realized by B880G4, catering to suitable demands of different application procedures. 🐉

Model Name	B880G4
Positioning	General Purpose
Applied System Model	U30G4 (1U12Bay High Density Storage Server) U436G4 (4U36Bay Storage Server)
Form Factor	EATX, non-shadow W x L: 304.8 x 330.2mm (12" x13")
Processor	Dual Socket (LGA-3647) Intel® Xeon® Processor Scalable Family <b>TDP: up to 205W</b> <b>System Bus: up to 10.4 GT/s by Intel® UPI</b> <b>Supporting single CPU option</b>
Memory Slot	16x DDR4 DIMM slot 6 channels per socket with 2 DPC <b>DIMM Type: ECC RDIMM, LRDIMM,</b> <b>2667/1DPC, 2400/2DPC</b> <b>Supporting Intel® Optane™ Persistent Memory</b>
Chipset	Intel® C620 series (C622)
Expansion Slot	2x PCIe Gen3 OCP 2.0 A+B NIC mezz 1x PCH PHY mezz 3x Standard PCIe Gen3 x16
Network Controller	<b>Onboard: Dual 10G SFP+</b> <b>Supporting 25GE / 50GbE / 100GbE Mezz card</b>
Storage Controller	<b>Onboard: 2x SATA connector,</b> <b>3x miniSAS HD connector;</b> <b>Up to 14x SATA3 6Gb/s port</b> <b>Intel RST RAID 0/1/5/10</b> <b>Supporting optional 2x M.2 SATA or,</b> <b>2x M.2 NVMe via interposer connector</b> <b>Supporting Inventec Storage HBA/RAID Card</b>
System Management	IPMI 2.0 compliant+ KVM with Dedicated LAN
BMC	AST2500 Shared NIC Management feature
TPM	<b>Option: 2.0</b>

### ABOUT INVENTEC

Inventec Enterprise Business Group (EBG) was established in 1998 and has been focusing on the design and manufacturing of server systems. Inventec EBG is the key server system supplier of the global branding clients.

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