Multi-socket configurations
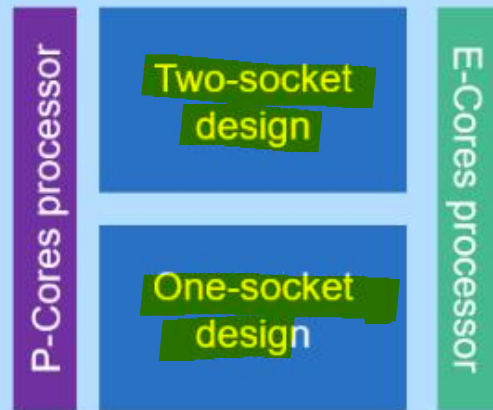
Xeon 6 four-socket and eight-socket topologies

Xeon 6 multi-socket design options

Intel Xeon 6900-series
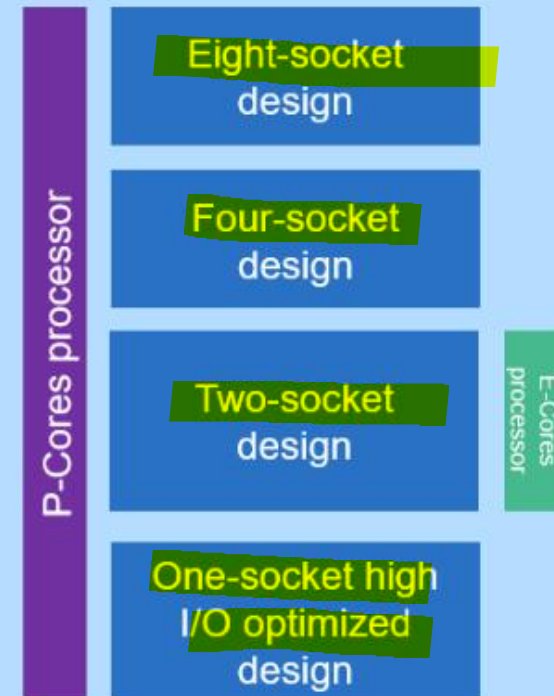### Design options

P-Cores processor

Two-socket design

One-socket design

E-Cores processor

Supports an up to two-socket configuration

Intel Xeon 6700 / 6500-series
Design options

P-Cores processor

Eight-socket design

Four-socket design

Two-socket design

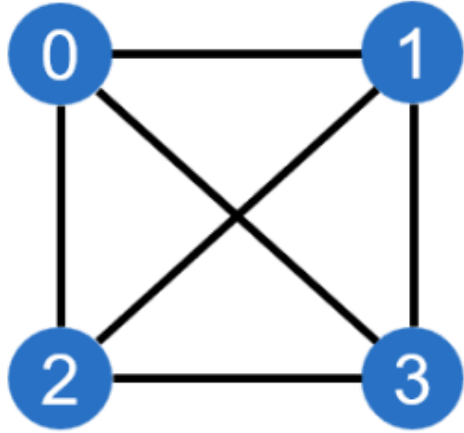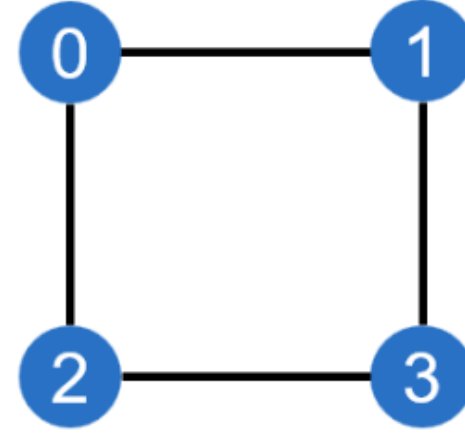One-socket high I/O optimized design

E-Cores processor

Supports an up to eight-socket configuration

Lenovo

Xeon 6500 / 6700 P-Cores with four-socket topologies

Xeon 6500 / 6700 P-Cores in a four-socket configuration support the following topologies with Intel ultra interconnect path (UPI) links:
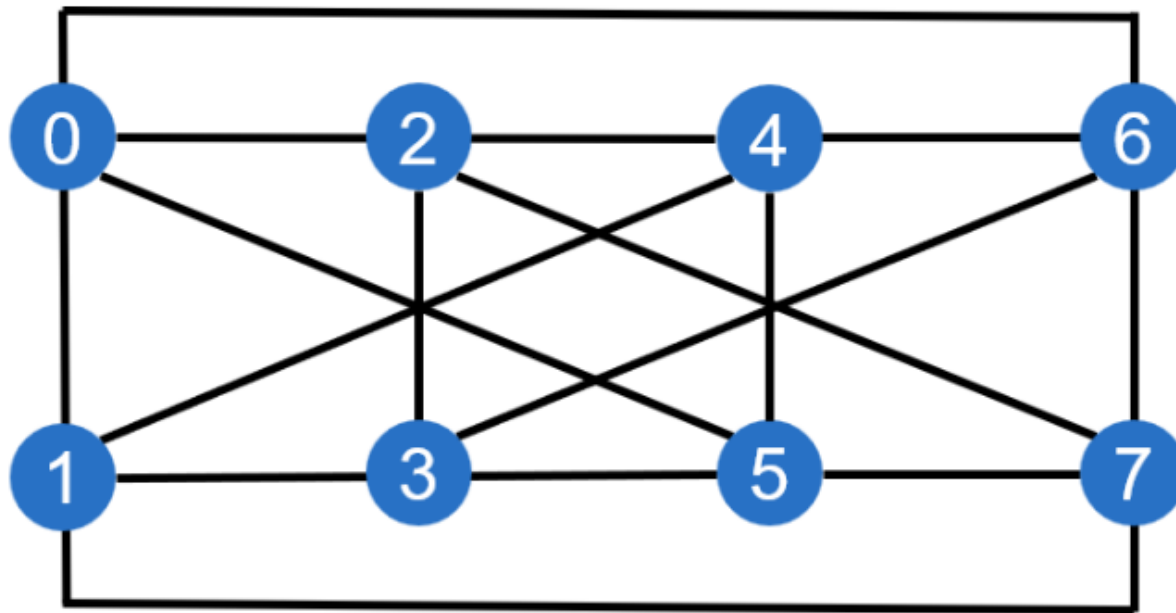

Fully connected
(Three UPI links per processor)

Ring
(Two UPI links per processor)

Lenovo

Xeon 6500 / 6700 P-Cores with eight-socket topologies

Xeon 6500 / 6700 P-Cores in an eight-socket configuration support an optimized topology with four UPI links.

Optimized topology
(Four UPI links per processor)