

# congatec ecosystem for TSN networked real-time factories and critical infrastructures



Time-Sensitive Networking (TSN) technology is paving the way for connected real-time applications, and will also impact established proprietary Industrial Ethernet installations. It represents a very important building block to connect the brownfield and real-time clouds to orchestrate all the time critical applications that demand deterministic and secure data processing. Target applications of the new TSN enabled ecosystem include industrial manufacturing, healthcare, energy and utilities, transportation and logistics, aerospace, government, and public safety.

congatec's TSN enabled edge computing ecosystem spans the entire range of latest Computer-on-Modules supporting even real-time enabled 5G cellular connectivity for real-time 5G clients and gateways, as well as server-grade real-time cloud and base station Server-on-Modules down to low-power boards and modules for appliances installed in the rugged brownfield. All platforms are TSN enabled, support Real-Time Hypervisor technology and are prepared to host any third-party real-time enabled cellular 5G connectivity.



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# Our most recent products for TSN enabled designs:

For highly powerful rugged edge server designs with 5G connectivity:



## conga-HPC/sILH

COM-HPC Server Size D module based on Intel® Xeon® D processor series (code name "Ice Lake")



## conga-HPC/sILL

COM-HPC Server Size D module based on Intel® Xeon® D processor series (code name "Ice Lake")



## conga-B7XI

COM Express Type 7 Basic module based on Intel® Xeon® D processor series (code name "Ice Lake")

For 5G real-time clients and gateways:



## conga-HPC/cTLU

COM-HPC Client Size A high performance module based on 11th Gen Intel® Core™ processor series (code name "Tiger Lake")



## conga-TC570

COM Express Type 6 Compact module based on 11th Gen Intel® Core™ processor family (code name "Tiger Lake")



### conga-TC570r

COM Express Type 6 Compact module based on 11th Gen Intel® Core™ processor family (code name "Tiger Lake") and soldered down memory



### conga-TCV2

COM Express Type 6 Compact module based on AMD Embedded Ryzen V2000 embedded processor series

## For TSN enabled endpoints and appliances in the rugged brownfield



### conga-SA7

SMARC 2.1 module based on Intel® Atom® x6000E and Intel® Pentium® and Celeron® J Series processors



### conga-MA7

COM Express® Mini Type 10 module based on Intel® Atom® x6000E, Intel® Pentium® and Celeron® J processor series



### conga-QA7

Qseven module based on Intel® Atom® x6000E, Intel® Pentium® and Celeron® J processor series



### **conga-PA7**

Pico-ITX SBC based on Intel® Atom® x6000E, Intel® Pentium® and Celeron® J processor series



### **conga-JC370**

Highest Performance 3.5" Single Board Computer based on 8th Generation Intel® Core™ processor series called "Whiskey Lake"