



Low Power Design with COM Express

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Santa Clara, CA
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1

Agenda

- COM Express Form Factor
- Why Low power
- Scalability of COM Express
- Thermal solution design
- Advantech Design-In Service

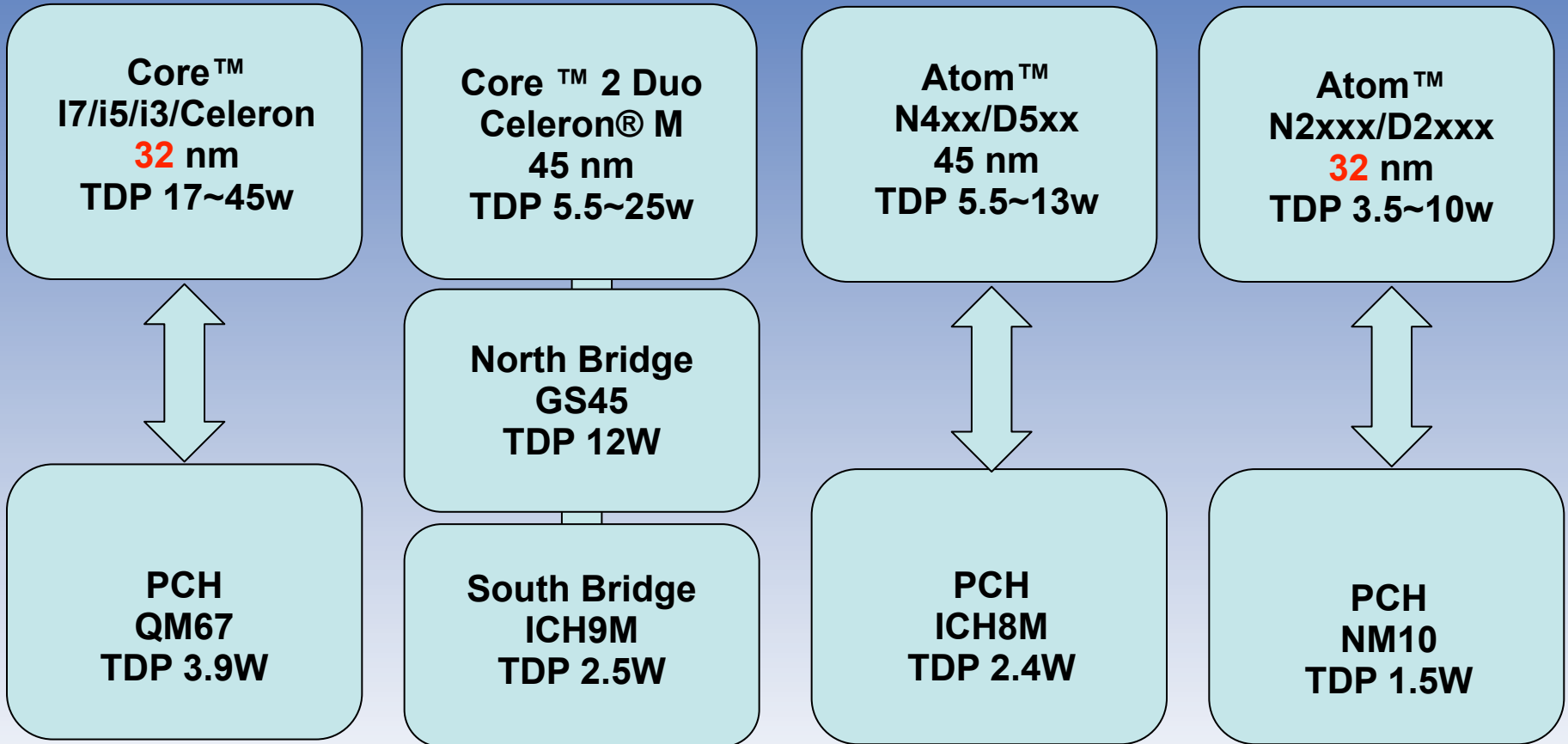
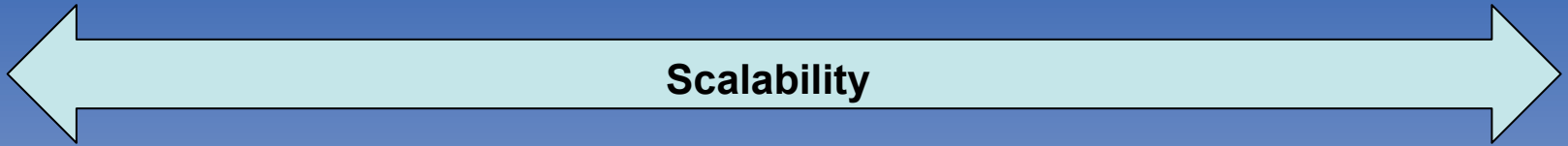
COM Express Form Factor



COM Express® Why Low Power

- Fixed power budget
 - Mission critical and portable applications
- Lower system cost
 - Lower power dissipation
 - Extend Product life cycle
- Longer battery life

Scalability of COM Express Module





High Performance COM Express Module

- Quad/Dual Core
- ECC/Non-ECC
- Type-2 & 6

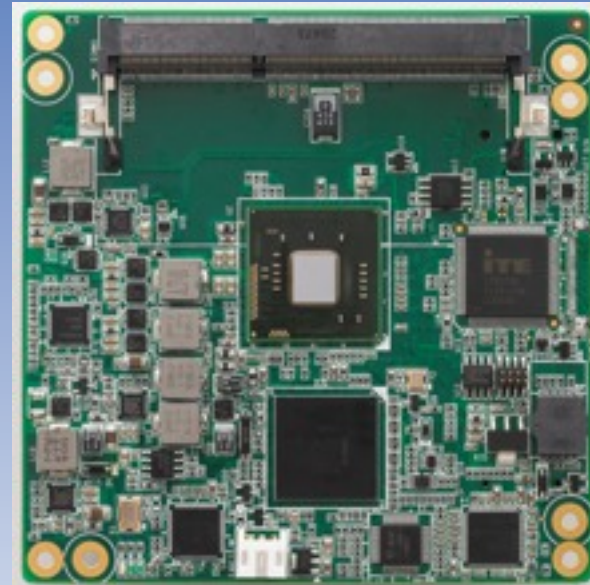


**COM R2.0
SOM-5890**

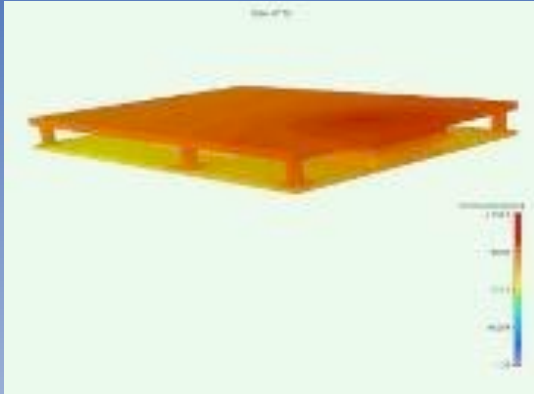


Low Power Consumption COM Express Module

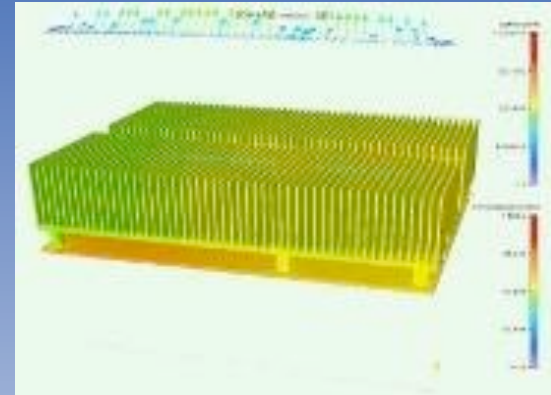
- Dual Core
- TDP 5W
- Type-2



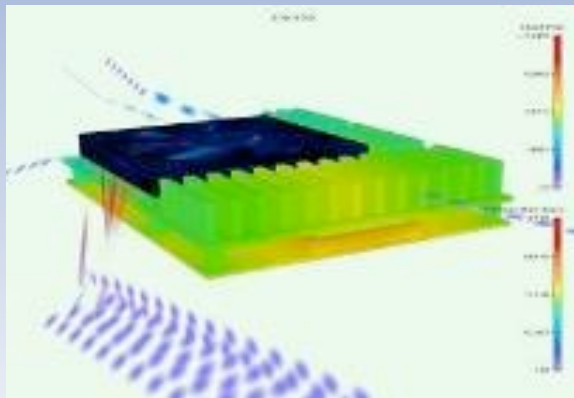
**COM R2.0
SOM-6765**



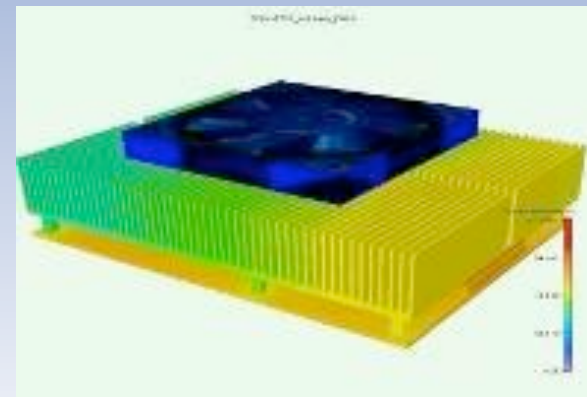
Fanless solution for 4W



Fanless solution for 7W



Fan solution for 12W



Fan solution for 24.5W

Thermal Solution Services

- Standard Thermal Solutions
- Customized Thermal Solutions

COM Product & Support Services

- Full Range of COM Product Offerings
- Comprehensive Document Support



Design Assistance Services

- Schematic Review
- Placement/Layout Review
- Debugging Assistance Services
- General/Special Reference Design Database

Embedded Software Services

- Embedded OS
- BIOS Customization
- Application Library: SUSI (Secure and Unified Smart Interface)

Advantech reserves the right to determine, on a case by case basis, whether or not COM Design Support Services are appropriate.



Thank you
Q & A