

TE0820 Resources

TE0820 - 4 x 5 cm SoC module with AMD Zynq™ UltraScale+™

- [TE0820](#) - Wiki with TRM, reference projects, application notes and more
 - [TE0820 TRM](#) - Technical Reference Manual
 - [TE0820 Product Change Notifications](#) - PCN (see also Schematic Change History and TRM)
 - [TE0820 AN](#) - Design and Advisory Notes
 - [TE0820 CPLD Firmware](#) - Firmware Description
 - [TE0820 Reference Designs](#) - Reference Design description for Vivado 2017.2 and newer
- [4 x 5 SoM Integration Guide](#) - module and carrier board power connection, PCB Design notes and more
- [4 x 5 SoM LSHM B2B Connectors](#) - overview, compatibility, mating heights and speed rating
- [4 x 5 SoMs Handling and Usage Precautions](#) - general handling and removal instructions

Links

- [Shop TE0820](#) - contains prices, available stock, disposability, scope of delivery and more
- [Download area](#) - various reference designs, schematics, hardware designs and more
- [Pinout/Tracelength Table](#) - illustration of pinout, tracelength and cross reference Information of modules with different baseboards

4 x 5 Carrier

- [4 x 5 SoM Carriers](#) - overview of available carrier boards for all 4 x 5 cm modules

3rd Party Links

- [Xilinx Vitis AI facedetect Demo on Trenz Electronic TE0820 4EV SoM with TE0701 06 Carrier Board and Avnet HDMI In/Out FMC Card](#) - provided by UTIA
- [Two serial connected evaluation versions of FP03x8 accelerators for TE0820-03-4EV-1E module on TE0701-06 carrier board](#) - provided by UTIA
- [Design Time and Run Time Resources for Zynq Ultrascale+ TE0820-03-4EV-1E with SDSoc 2018.2 Support](#) - provided by UTIA
- [Video Input/Output IP Cores for TE0820 SoM with TE0701 Carrier and Avnet HDMI Input/Output FMC Module](#) - provided by UTIA
- [FitOptiVis From the cloud to the edge - smart IntegraTion and OPTimization Technologies for highly efficient Image and Video processing Systems](#) - provided by UTIA
- [Arrowhead Tools Arrowhead Tools for Engineering of Digitalisation Solutions](#) - provided by UTIA
- [Towards Ubiquitous Low-power Image Processing Platforms](#) - provided by Sundance and other project partners
- [Vision, Control and Sensor solution for Precision Robotics with TE0820 module](#) - provided by Sundance

Support

- For support, please go to <http://forum.trenz-electronic.de/> or contact support@trenz-electronic.de