



# AM64x Device Options

 Functional Safety Option  
**AM6421BSD**D****F**HAALV**  
 Device Option

Device Option	Feature	Comment
C	Two Programmable Real-Time Unit Subsystems	ICSSG firmware does not support any of the industrial communication features.
D	Option C + Industrial Communication Support	Firmware supports 4x 10/100/1000 Ethernet MACs (MII/RGMII) + 36x sigma delta decimation filters + 12x multi-protocol encoders I/Fs (HDSL, EnDat 2.2, Tamagawa etc.)
E	Option D + EtherCAT and CAN-FD Support	EtherCAT hardware accelerator and CAN-FD* support is enabled. (TI has a license for both CAN-FD and EtherCAT) Run EtherCAT firmware with <a href="#">Beckhoff SSC stack</a> .
F	Option E + Integrated Industrial Communication stacks	Certified industrial networking stacks powered by KUNBUS supporting: EtherNet/IP, EtherCAT, Profinet RT/IRT, and IO-Link (R5F binaries)

Functional Safety	Feature	Comment
G	Non-Functional Safety Support	
F	Functional Safety Support	Device targeting SIL 2 / System Level SIL 3 with external safety processor

\* Standard CAN is supported on all device options