

How to Choose a Sitara Processor for Industrial Communication

Sitara embedded processors + 66AK2Gx



Industrial protocol support on TI embedded processors



Industrial protocols certified on the PRU-ICSS

| | Protocol | AMIC110 | AM335x | AM437x | AM57x | 66AK2Gx |
|----------|---|---------|--------|--------|-------|---------|
| Ethernet | EtherCAT slave | ✓ | ✓ | ✓ | ✓ | ✓ |
| | EtherCAT slave (no DDR needed) | ✓ | | | | |
| | EtherCAT master | | ✓ | ✓ | ✓ | ✓ |
| | PROFINET RT or IRT device | ✓ | ✓ | ✓ | ✓ | ✓ |
| | Ethernet/IP adapter | ✓ | ✓ | ✓ | ✓ | ✓ |
| | POWERLINK slave | ✓ | ✓ | ✓ | ✓ | ✓ |
| | SERCOS-III slave | ✓ | ✓ | ✓ | ✓ | ✓ |
| | CC-Link IE Field Basic (master & slave) | ✓ | ✓ | ✓ | ✓ | ✓ |
| | HSR | ✓ | ✓ | ✓ | ✓ | ✓ |
| | PRP | ✓ | ✓ | ✓ | ✓ | ✓ |
| Serial | PROFIBUS (master & slave) | ✓ | ✓ | ✓ | ✓ | ✓ |
| | EnDAT2.2 | | | ✓ | ✓ | ✓ |
| | BiSS C | | | ✓ | ✓ | ✓ |
| | HIPERFACE DSL | | | ✓ | ✓ | ✓ |
| | Tamagawa | | | ✓ | ✓ | ✓ |

For More Information

- Sitara Processors Product Overview: <http://www.ti.com/sitara>
- C6000 Multicore DSP + ARM SoC (66AK2Gx): <http://www.ti.com/multicore>
- PRU-ICSS Industrial Software for Sitara Processors:
<http://www.ti.com/tool/PRU-ICSS-INDUSTRIAL-SW>
- Industrial Communication on Sitara Processors:
<http://www.ti.com/processors/sitara/applications/industrial-communications.html>
- For questions about this training, refer to the E2E Community Forums for Sitara Processors at http://e2e.ti.com/support/arm/sitara_arm/f/791/t/277411