HighIntegritySystems

WITTENSTEIN

SAFERTOS Purchase Options

SAFERTOS® is supplied with a comprehensive Design Assurance Pack (DAP) for systems that require safety certification.

SAFERTOS CORE provides full SAFERTOS functionality and API for systems that need to consider safety but don't require safety certification.

SAFERTOS

SAFERTOS includes the Design Assurance Pack (DAP) as standard. Designed for systems requiring certification to International Design Standards such as IEC 61508, SAFERTOS supports certification to:

Industrial	IEC 61508-1,-3,-4
Medical	FDA 510(k), IEC 62304
Automotive	ISO 26262-2,-6,-8
Aerospace	DO178C

Two Different Purchase Options

SAFERTOS — for systems that need safety certification

SAFERTOS CORE — for systems that need to consider safety

SAFERTOS CORE

SAFERTOS CORE is the perfect choice for engineers that wish to integrate a robust, highly deterministic RTOS into their products, incorporating key safety features, combined with functionality that has a proven, successful history of use within embedded safety critical applications.

SAFERTOS CORE is ideal for companies who are developing products that:

- Need to consider safety but don't require full certification.
- May require certification in the future, and want to future proof their designs.
- Require a robust, highly deterministic RTOS, incorporating key safety features.
- Require the separation and isolation of individual tasks.

Features	SAFERTOS	SAFERTOS CORE
SAFERTOS functionality and API	√	√
Core SAFERTOS source code	√	√
Standard port layer	-	√
Safety qualified port layer	√	-
DAP and Safety Manual (core and port layer)	√	-
Available pre-certified (IEC 61508-3 SIL 3 & ISO 26262-6 ASIL D by TÜV SÜD)	√	-
RTOS technical support	√	√
RTOS Safety/ Certification support	√	-
Safety Plugins available	√	√
Middleware available	√	√
Training available	√	√

SAFERTOS Deliverables

SAFE**RTOS**® (core and port layers) for your specific processor/compiler combination is developed and validated according to the SAFE**RTOS** Safety Critical Development Life Cycle, designed to meet the rigours of IEC 61508 SIL 3.

The supplied DAP contains every Design and Verification artefact created for your specific SAFE**RTOS** variant, and provides complete transparency over the full design lifecycle.

- Fully Validated (core and port layer)
- Comprehensive Design Assurance Pack including Safety Manual
- Support covers RTOS Safety and Certification aspects
- Available pre-certified to IEC 61508-3 SIL 3 & ISO 26262-6 ASIL D by TÜV SÜD

SAFERTOS CORE Deliverables

SAFE**RTOS** CORE uses the actual core SAFE**RTOS** source code, common across all safety certified SAFE**RTOS** variants, ported for use upon your specific processor/compiler combination.

- Full SAFE**RTOS** functionality and API.
- Core SAFE**RTOS** source code.
- Ported to your specific processor/compiler combination.
- Supplied with SAFE**RTOS** users manual and a fully working 'out of the box' demo application.

Upgrading

Providing a valid Support and Maintenance Contract is in place, it is possible to upgrade from SAFE**RTOS** CORE to SAFE**RTOS** at any time.

WITTENSTEIN high **integrity** systems

Worldwide Sales and Support
Americas: +1 408 625 4712
ROTW: +44 1275 395 600
Email: sales@highintegritysystems.com
Web: www.high**integrity**systems.com

WITTENSTEIN high integrity systems
Americas: +1 408 625 4712
ROTW: +44 1275 395 600

email: sales@highintegritysystems.com
web: www.high**integrity**systems.com
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