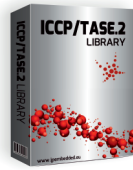# SMART GRID COMMUNICATION ENABLERS

SOFTWARE LIBRARIES

JPEmbedded's off-the-shelf communication software libraries for IEDs offer platform independent architecture, which fosters porting and reduces the time to market. All software products are highly configurable in terms of the enabled functionality, resources used, and maintain a very low memory footprint. A simplified, royalty-free licensing model and source code access are the primary reasons why our solutions are the first choice for embedded applications.
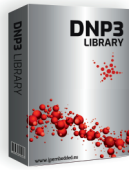
When requested by the customer we offer integration of our software libraries on the target devices.
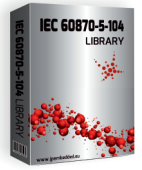
	IEC 61850	ICCP/TASE.2	DNP3	IEC 60870-5-101	IEC 60870-5-103	IEC 60870-5-104
Server	yes	yes	yes	yes	yes	yes
Client	yes	yes	yes	yes	yes	
Cybersecurity IEC 62351	yes	yes	yes			
Implementation	C++	C++	C++	C++	C++	C++
Available API	C++ / C / Rust	C++ / C / node JS	C++ / C	C++ / C	C++ / C	C++ / C
Features	MMS Server Reporting Control Model GOOSE R-GOOSE SMV R-SMV Substitution Setting groups	CBB1 CBB2 CBB3 CBB4 CBB5 CBB7 CBB8 CBB9	static data points (class 0) events (class 1,2,3) interoperability level 3			
Standard version	IEC 61850:2010 (ed.2)	IEC 60870-6-503-2014 IEC 60870-6-503-2002	DNP3 (IEEE 1815-2012)	IEC 60870-5-101:2003	IEC 60870-5-103:1997	IEC 60870-5-104:2006

Request a free evaluation!

To request a FREE EVALUATION version of any of our libraries, please send an e-mail containing information about the target platform microcontroller and operating system.

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