

Aeroflex SpaceWire Products Industry Comparison



	UT200SpW4RTR ROUTER	UT200SpW16RTR ROUTER	UT100200SpWPHY01 TRANSCEIVER	UT100SpW02 PROTOCOL IP	SMCS116SpW AT7912E	SMCS332SpW AT7911E	SpW-10x AT7910E
Function	4-port SpW Router	16-port SpW Router	Physical Layer Driver	SpW Node	Single bidirectional SpW link	3 identical bidirectional SpW links	9-Port SpW router
System Interface	Synchronous transmit/receive FIFOs (256x9bits)	FIFO	Interface to UT200SpW4RTR, UT200SpW16RTR, or UT100SpW02		FIFO (8- or 16-bit data width)	HOCI inter-face or Link control interface	9-bit FIFO Input/Output FIFO
Physical Layer	N/A	N/A	LVDS	N/A	N/A	FIFO	N/A
Code Format	N/A	N/A	N/A	Verilog	N/A	N/A	N/A
Ports	4 SpW ports 1 System port	16 SpW ports 1 System port	1 SpW Node	1 SpW Node with redundancy	1 SpW Link	3 SpW links	8 SpW links 2 System Ports
Baud Rate	200Mbps	120Mbps	200Mbps	85Mbps	200Mbps	200Mbps	200Mbps
Package	255-CLGA	TBD	28-FP	208-CQFP, 288-CQFP, 484-CCGA/CLGA/ PBGA, 208-QFP, 280-PBGA	100-MQFPF	196-MQFPL	196 MQFPL
Core Voltage I/O Voltage	2.5V 3.3V	2.5V 3.3V	3.3V	N/A N/A	3.3V 5.0V	3.3V 5.0V	3.3V 5.0V