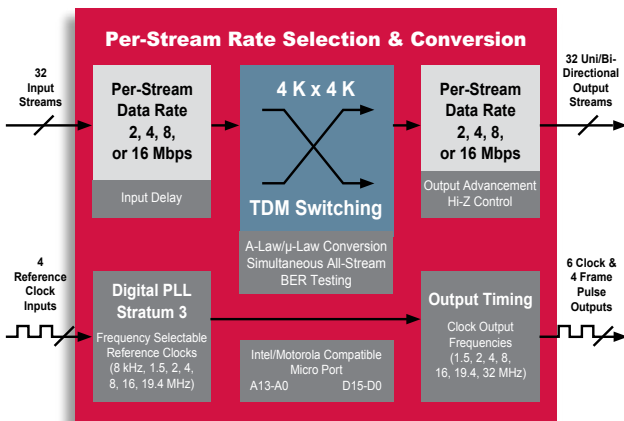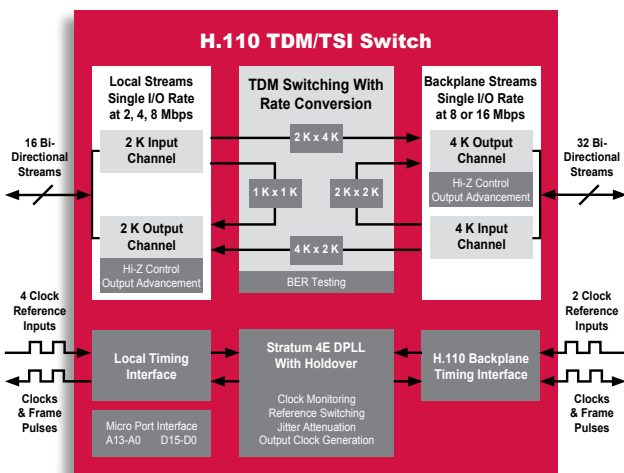# PRODUCT CATALOG

Zarlink is the global leader in TDM/TSI switching, with the industry's largest portfolio of low-, medium-, and high-density devices with advanced features including on-board Stratum 3 timing and per-stream rate selection with rate conversion. Zarlink's TDM/TSI devices are designed to minimize the cost while boosting the performance of a wide range of voice and data systems. Widely adopted by leading datacom and telecom manufacturers, Zarlink TDM switches are the technology at the heart of telecommunications networks.

4 K Channel Flexible Digital Switch with Stratum 3 DPLL (ZL50021)

4 K x 2 K Channel Flexible Digital Switch with H.110 Interface (ZL50030)

TDM/TSI Switches with Integrated DPLL

ZL50010	512 Channel (16 input and 16 output streams) Flexible Digital Switch with Stratum 4E DPLL
ZL50011	512 Channel (16 input and 16 output streams) Flexible Digital Switch with Stratum 4 DPLL
ZL50015	1 K Channel (16 input and 16 output streams) Flexible Digital Switch with Stratum 4E DPLL
ZL50018	2 K Channel (32 input and 32 output streams) Flexible Digital Switch with Stratum 3 DPLL
ZL50019	2 K Channel (32 input and 32 output streams) Flexible Digital Switch with Stratum 4E DPLL
ZL50021	4 K Channel (32 input and 32 output streams) Flexible Digital Switch with Stratum 3 DPLL
ZL50022	4 K Channel (32 input and 32 output streams) Flexible Digital Switch with Stratum 4E DPLL

TDM Backplane Interfaces (H.110, H.100, HMVIP)

MT8986	512 x 256 Channel (16 input and 10 output streams) Multiple Rate Digital Switch with Constant Delay Mode
MT89L86	512 x 256 Channel (16 input and 10 output streams) 3.3 V Multiple Rate Digital Switch with Constant Delay Mode
MT90863	2 K x 512 Channel H.100 Compatible Digital Switch
MT90866	4 K x 2.4 K Channel Flexible Digital Switch with H.110 Interface and 2.4 K x 2.4 K Local Switch
ZL50030	4 K x 2 K Channel Flexible Digital Switch with H.110 Interface and 1 K x 1 K Local switching
ZL50031	4 K x 2 K Channel Flexible Digital Switch with H.110 Interface and 2 K x 2 K Local switching
MT90868	32 K x 8 K Channel High Bandwidth Digital Switch with 128 Backplane and 128 Local Streams

128 to 4 K Switching Matrices

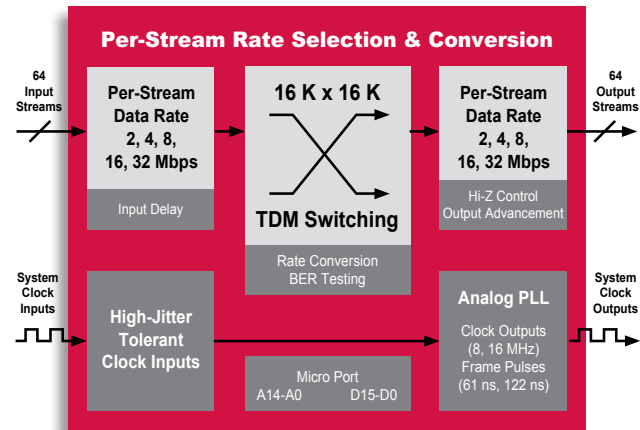|	
MT8981	128 Channel (4 input and 4 output streams) Digital Switch
MT89L80	256 Channel (8 input and 8 output streams) 3.3 V Digital Switch
MT89L85	256 Channel (8 input and 8 output streams) 3.3 V Enhanced Digital Switch
ZL50012	512 Channel (16 input and 16 output streams) Flexible Digital Switch with Per-Stream Rate Conversion
ZL50016	1 K Channel (16 input and 16 output streams) Flexible Digital Switch with Per-Stream Rate Conversion
ZL50017	1 K Channel (16 input and 16 output streams) Selectable Rate Digital Switch
MT90820	2 K Channel (16 input and 16 output streams) Selectable Rate Digital Switch
MT90823	2 K Channel (16 input and 16 output streams) Selectable Rate 3.3 V Digital Switch
ZL50020	2 K Channel (32 input and 32 output streams) Flexible Digital Switch with Per-Stream Rate Conversion
MT90826	4 K Channel (32 input and 32 output streams) Flexible Digital Switch with per group rate conversion
ZL50023	4 K Channel (32 input and 32 output streams) Flexible Digital Switch with Per-Stream Rate Conversion

ZARLINK SEMICONDUCTOR

8 K to 32 K Switching Matrices

MT90871   8 K Channel (32 input and 32 output streams) Flexible Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16 Mbps)

ZL50050   8 K Channel (32 input and 32 output streams) High Jitter Tolerance Flexible Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16, 32 Mbps), pin compatible with MT90871

ZL50051   8 K Channel (64 input and 64 output streams) High Jitter Tolerance Digital Switch with Single Rate (8 or 16 Mbps) PBGA package

ZL50052   8 K Channel (16 input and 16 output streams) High Jitter Tolerance Digital Switch with Single Rate (32 Mbps)

ZL50053   8 K Channel (64 input and 64 output streams) High Jitter Tolerance Digital Switch with Single Rate (8 or 16 Mbps) LQFP package

MT90870   12 K Channel (48 input and 48 output streams) Flexible Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16, 32 Mbps)

ZL50057   12 K Channel (48 input and 48 output streams) High Jitter Tolerance Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16, 32 Mbps), pin compatible with MT90870

ZL50058   12 K Channel (48 input and 48 output streams) High Jitter Tolerance Flexible Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16, 32 Mbps)

MT90869   16 K Channel (64 input and 64 output streams) Flexible Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16, 32 Mbps)

ZL50060   16 K Channel (64 input and 64 output streams) High Jitter Tolerance Flexible Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16, 32 Mbps)

ZL50061   16 K Channel (64 input and 64 output streams) High Jitter Tolerance Flexible Digital Switch with Per-Stream Rate Conversion (2, 4, 8, 16, 32 Mbps), pin compatible with MT90869

ZL50062   16 K Channel (64 input and 64 output streams) High Jitter Tolerance Digital Switch with Single Rate (2, 4, 8 or 16 Mbps), PBGA Package

ZL50063   16 K Channel (32 input and 32 output streams) High Jitter Tolerance Digital Switch with Single Rate (32 Mbps)

ZL50064   16 K Channel (64 input and 64 output streams) High Jitter Tolerance Digital Switch with Single Rate (2, 4, 8 or 16 Mbps), LQFP Package

ZL50070   24 K Channel (96 input and 96 output streams) High Jitter Tolerance Digital Switch with Per-Group (4 Streams) Rate Conversion (8, 16, 32, 64 Mbps)

ZL50073   32 K Channel (128 input and 128 output streams) High Jitter Tolerance Digital Switch with Per-Group (4 Streams) Rate Conversion (8, 16, 32, 64 Mbps)

ZL50074   32 K Channel (128 input and 128 output streams) High Jitter Tolerance Digital Switch with Single Rate (8, 16, 32 or 64 Mbps)

ZL50075   32 K Channel (64 input and 64 output streams) High Jitter Tolerance Digital Switch with Per-Group (2 Streams) Rate Conversion (8, 16, 32, 64 Mbps)
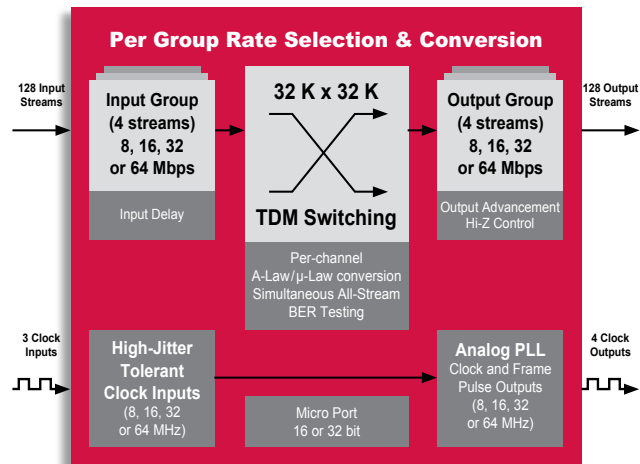
Specialised Products (TDM to Parallel, PBX-on-a-Chip)

MT90812   64 Channel Multi-Featured Integrated Digital Switch with Conferencing Bridge, DTMF and FSK Tone Generation for SOHO and PBX Systems

MT8920B   32 Channel TDM (ST-BUS) to Parallel Bus Access Circuit

MT90840   512 X 2430 Channel Multiple Rate TDM (2, 4, 8 Mbps) to Parallel Port Distributed Hyperchannel Switch (DHS) for STS-1 and STS-3 Applications

16 K Channel High Jitter Tolerance Digital Switch (ZL50060/1)

32 K Channel Digital Switch with High Jitter Tolerance (ZL50073)

For more information about these products, contact your local Zarlink representative…

http://www.zarlink.com/shared/contact/sales_office.htm

ZARLINK SEMICONDUCTOR