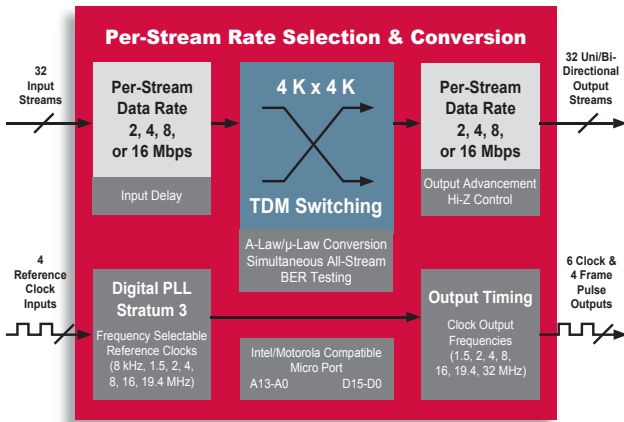


# The Leader in TDM/TSI Switching

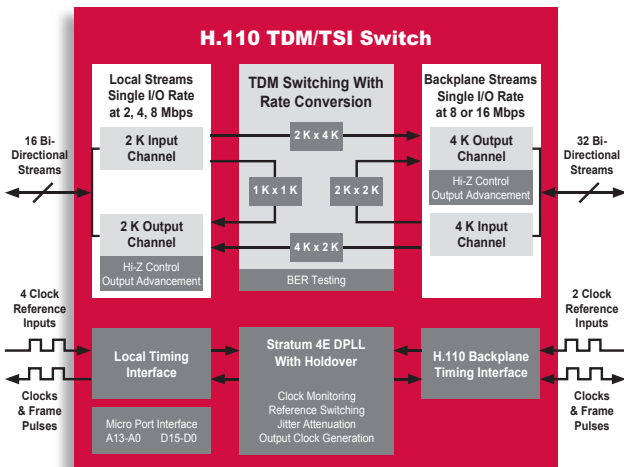
## PRODUCT CATALOG

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)

|         |                                                                                                                |
|---------|----------------------------------------------------------------------------------------------------------------|
| MT90810 | 256 x 128 Channel (12 input and 12 output streams) Flexible MVIP Interface Circuit                             |
| 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                                            |
| MT8980  | 256 Channel (8 input and 8 output streams) Digital Switch                                            |
| MT8985  | 256 Channel (8 input and 8 output streams) Enhanced 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 |

# TDM/TSI Switches

## PRODUCT CATALOG

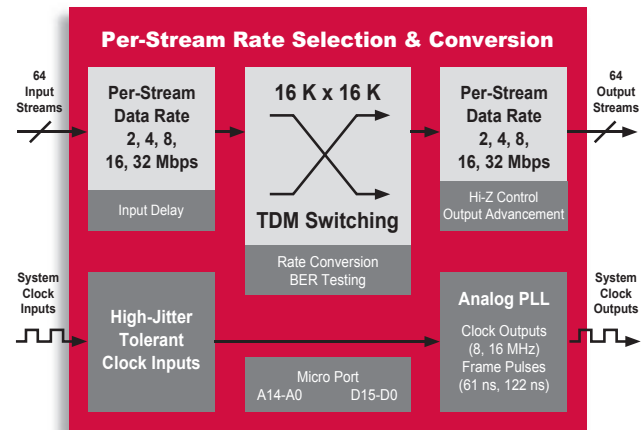
### 8 K to 32 K Switching Matrices

- 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)

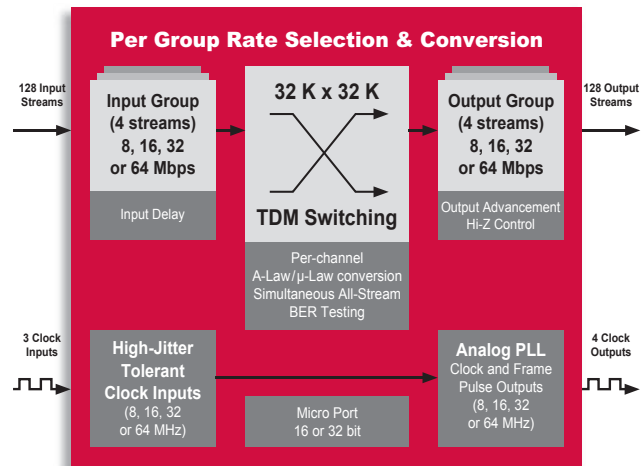
### Specialised Products (TDM to Parallel, PBX-on-a-Chip)

- MT90812 64 Channel Multi-Featured Integrated Digital Switch with Conferencing Bridge, DTMF and FSK Tone Generation for SOHO and PBX Systems
- MT9080B 2048 X 16 bit wide Variable Rate Digital Switch Matrix Module (SMX) for Digital Switching Matrices
- MT8920B 32 Channel TDM (ST-BUS) to Parallel Bus Access Circuit
- MT9085B 1024 Channel TDM (ST-BUS) to Parallel Bus Access Circuit (PAC)
- 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](http://www.zarlink.com/shared/contact/sales_office.htm)