

TXC-06306

PHAST®-6N

Multi-Rate PHY/Framer for Telecom Networks

KEY BENEFITS

- Industry-leading transport solution
- PHAST and EtherMap family interoperability
- Fully compliant with SONET/SDH standards
- Reduced software development effort
- Reduced space, power and cost
- Faster Time-To-Market (TTM)

Your Superior Choice for Transporting and Grooming Access Traffic

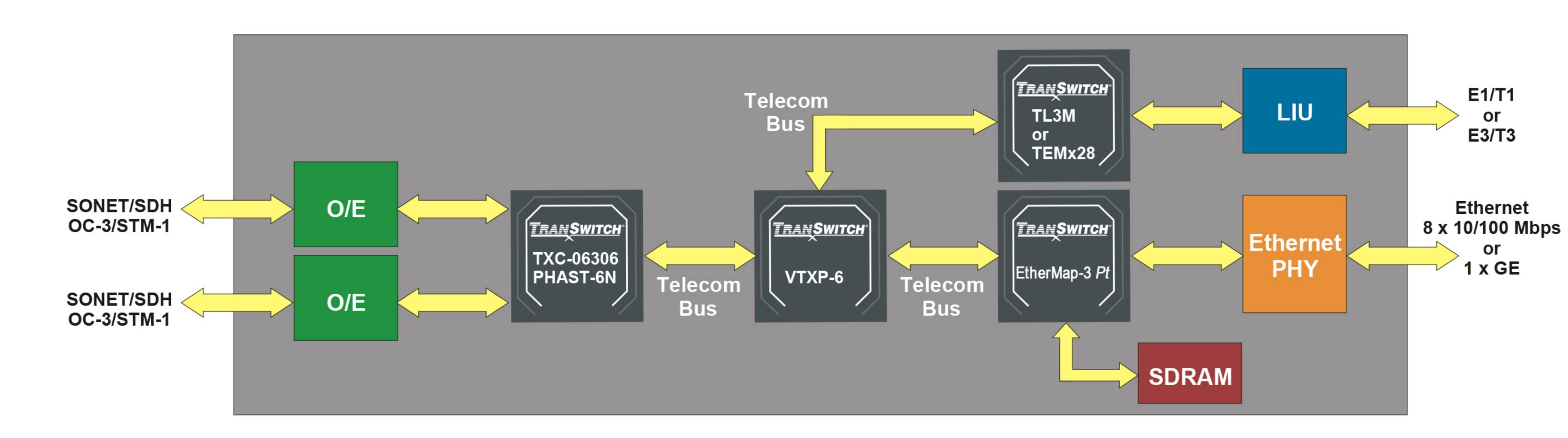
The PHAST®-6N is a highly integrated SONET/SDH overhead termination device designed for TDM and EoS applications which can terminate two OC-3/STM-1 lines. Clock synthesis and clock recovery for these lines are incorporated. The device provides regenerator section and multiplex section (line) overhead processing, high-order (AU-3/AU-4/STS-1/STS-3c) pointer tracking and retiming and SPE path overhead processing and performance monitoring. It is a powerful solution for single or dual OC-3 telecom applications, especially those requiring high-order ring closure and carrier-grade protection capability. PHAST-6N also provides a full 18 x 18 non-blocking STS-1 level cross connect, allowing line/path (UPSR/SNCP) protection. An APS line port may be utilized for applications such as MSP 1+1, 1:1, and 1:n architectures.

The PHAST-6N is designed to interface directly with the EtherMap®-3 *Pt* and EtherMap®-12 Ethernet mappers for EoS applications as well as the VTXP™ cross connect with TU/VT processing. The software driver contains independent modules that allow the user to compile only relevant required components, a considerable resource savings. The function of the API's driver is to configure, control and manage the PHAST-6N device as well as collect and deliver fault and performance monitoring data to the host.

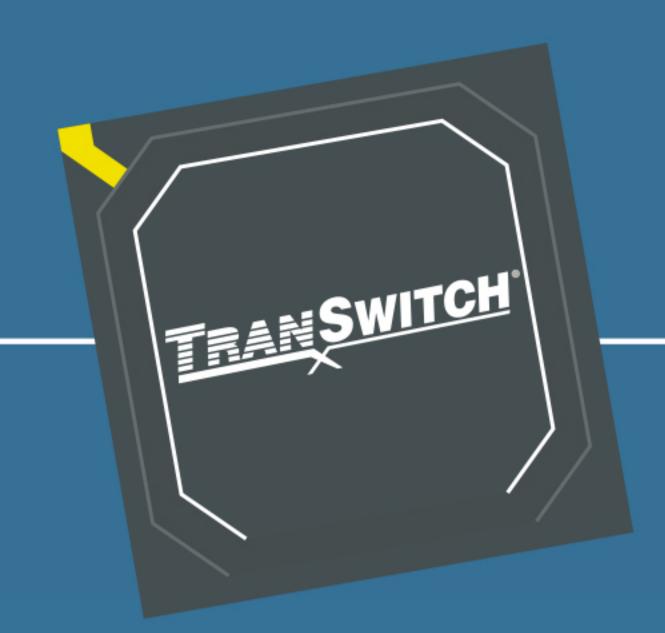
Applications

- OED, SONET/SDH Add/Drop and Terminal Multiplexers
- Multi-Service Provisioning Platform
- Dual Fiber MS/Line Protection Applications
- OC-3 1+1, 1:1, and 1:n APS for ADMs
- Customer Premise Access Platforms
- Edge Routers

Compact Access OC-3 Multi-Service UPSR/SNCP ADM/TM







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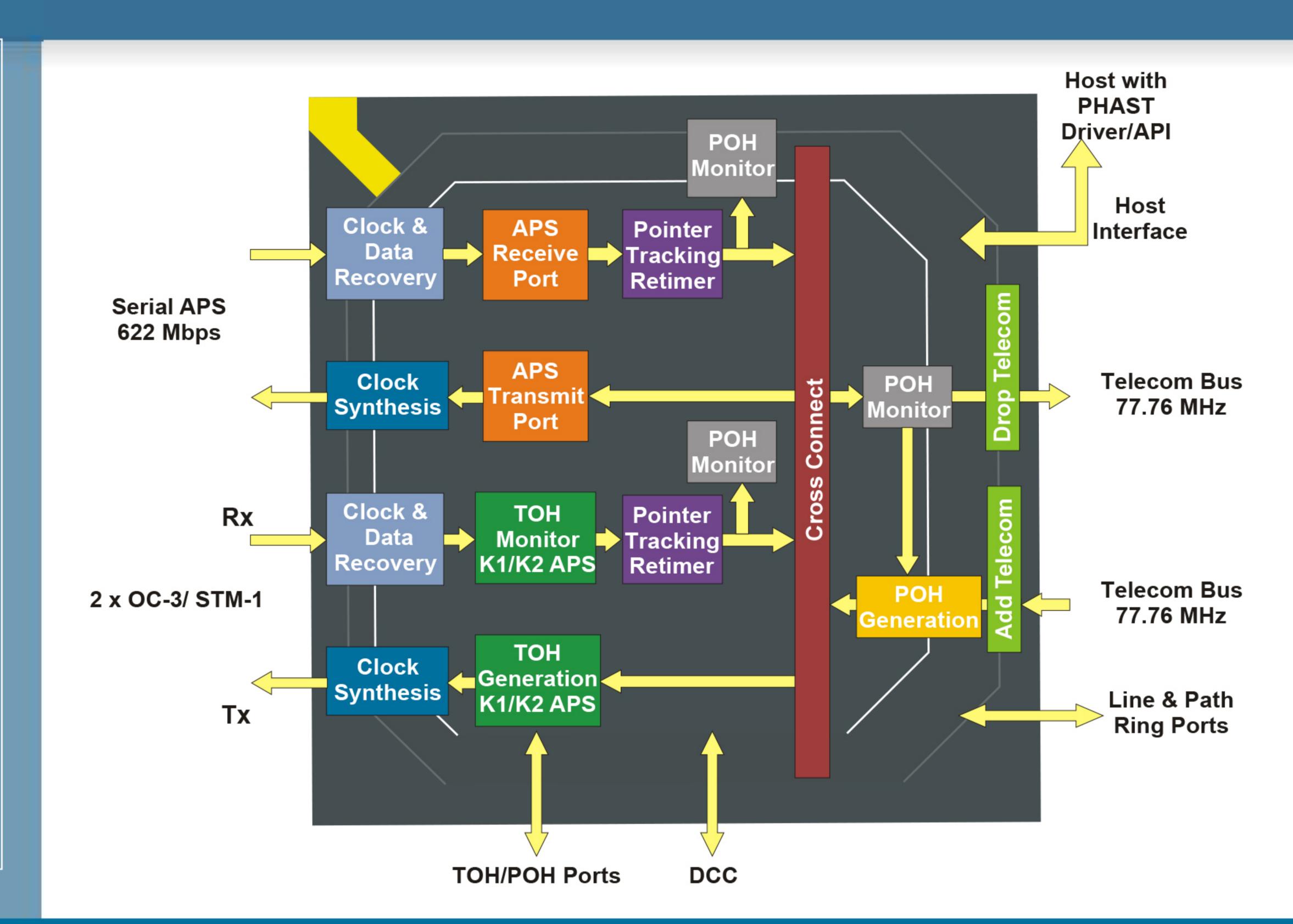
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THE BUZZ

"Today's metro optical networks serve the needs of customer applications such as Internet and voice over IP. OEMs require integrated devices for carriergrade protected platforms with simplified management. The TranSwitch family of PHAST and EtherMap products delivers such solutions for next generation metro network applications.

TranSwitch's PHAST-6N offers OEMs simplicity, ease of integration and reliability. The PHAST-6N may be incorporated into new access platforms requiring full redundancy and TDM grooming. Service providers will benefit from its carrier-grade SONET/SDH features."

Robert Schwaber TranSwitch Product Manager



Key Product Features

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Environmental Specifications

Package	376-Pin PBGA (23mm x 23mm)
Voltage	1.8V/3.3V, 5.0V I/O Tolerant
Power	1.5 W (Max)
Temperature Range	Industrial (-40°C to +85°C)

Related Products

Related Products	
EtherMap®-3 Pt	Highly Integrated OC-3 Ethernet Mapper
EtherMap®-12	Highly Integrated OC-12 Ethernet Mapper
EtherPHAST™-48 <i>Plus</i>	Highly Integrated OC-48 Ethernet Mapper
PHAST®-3N	OC-3/STM-1 SONET/SDH Overhead Terminator
TL3M™	Triple Level 3 Mapper with On-chip Digital Desynchronization
TEMx28®	Integrated Dual-Bus T1/E1 28 Channel Mapper
VTXP™-6	TU/VT Pointer Processor with Cross Connect
VTXP™-12	TU/VT Pointer Processor with Cross Connect



For more information on TranSwitch or Centillium product solutions, Visit us at:

www.transemiconductor.com