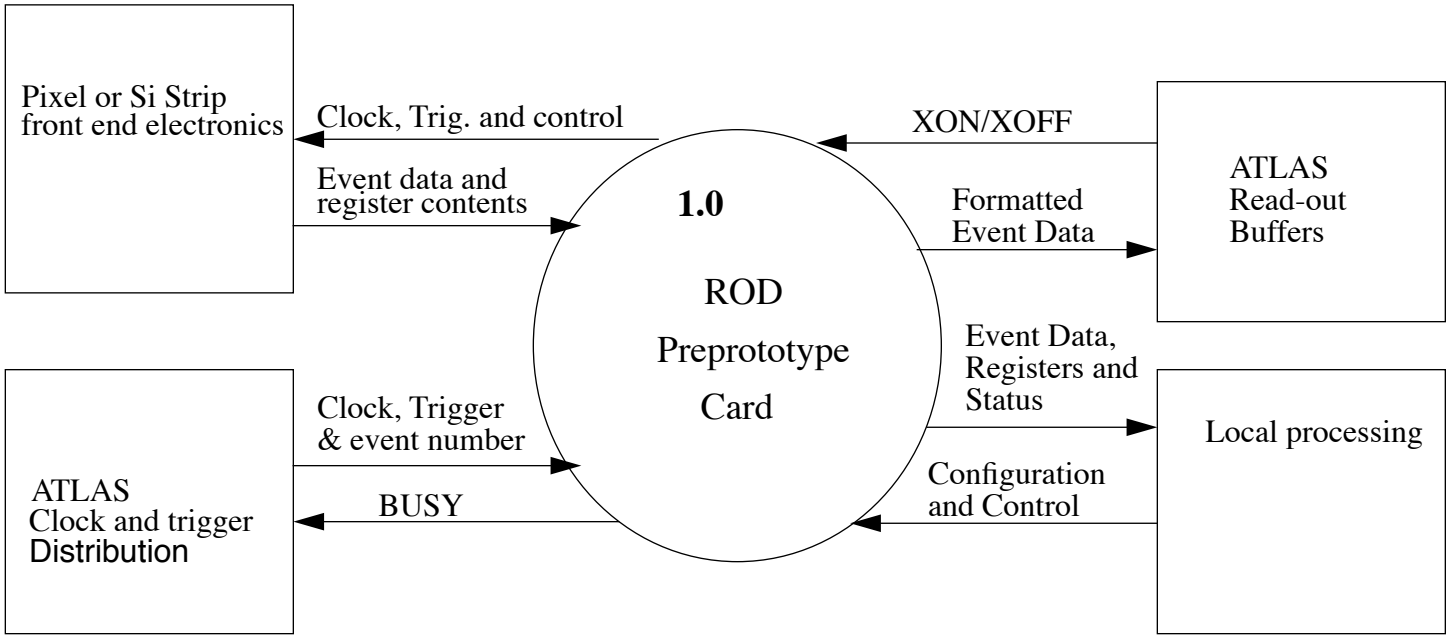
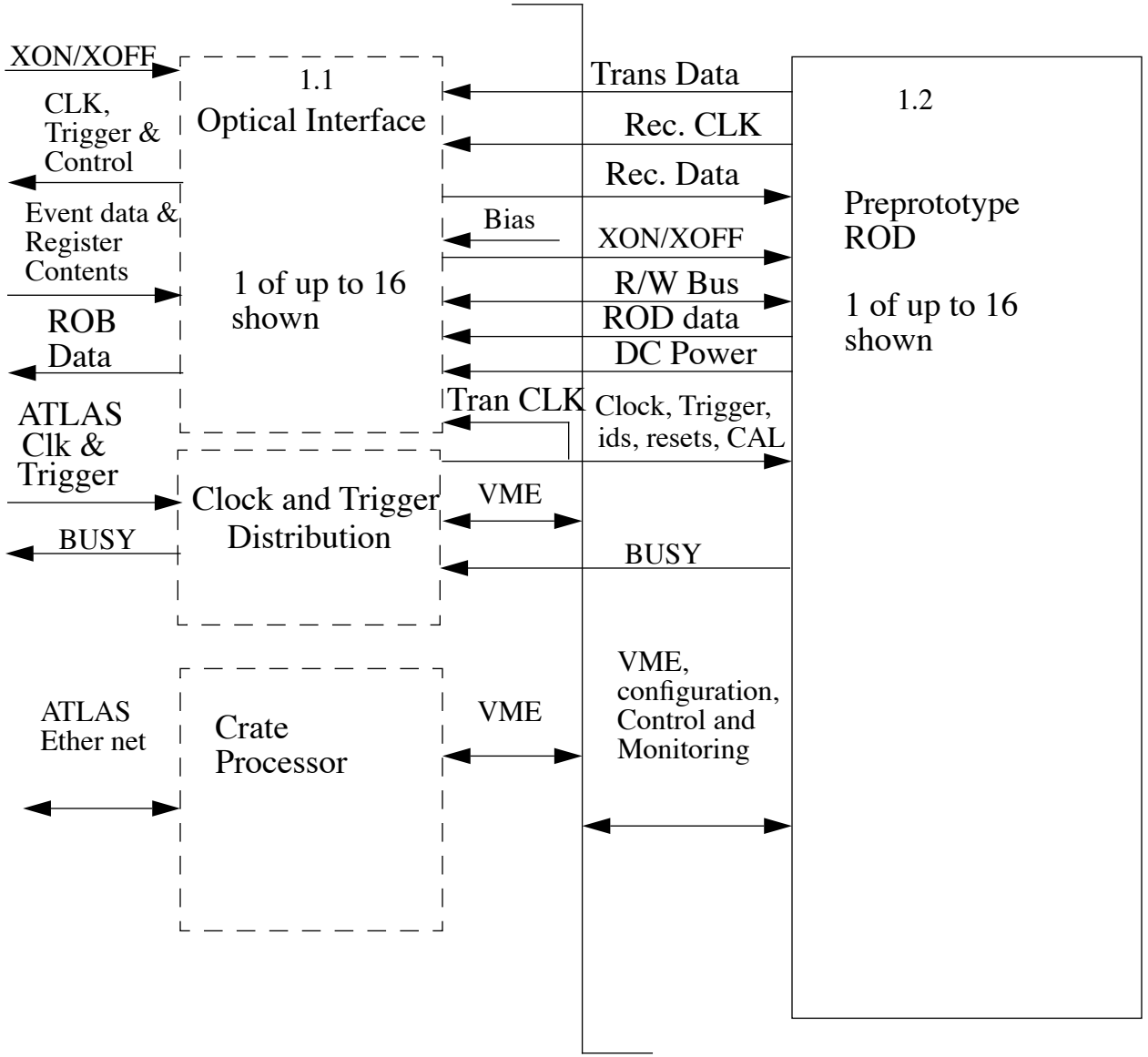
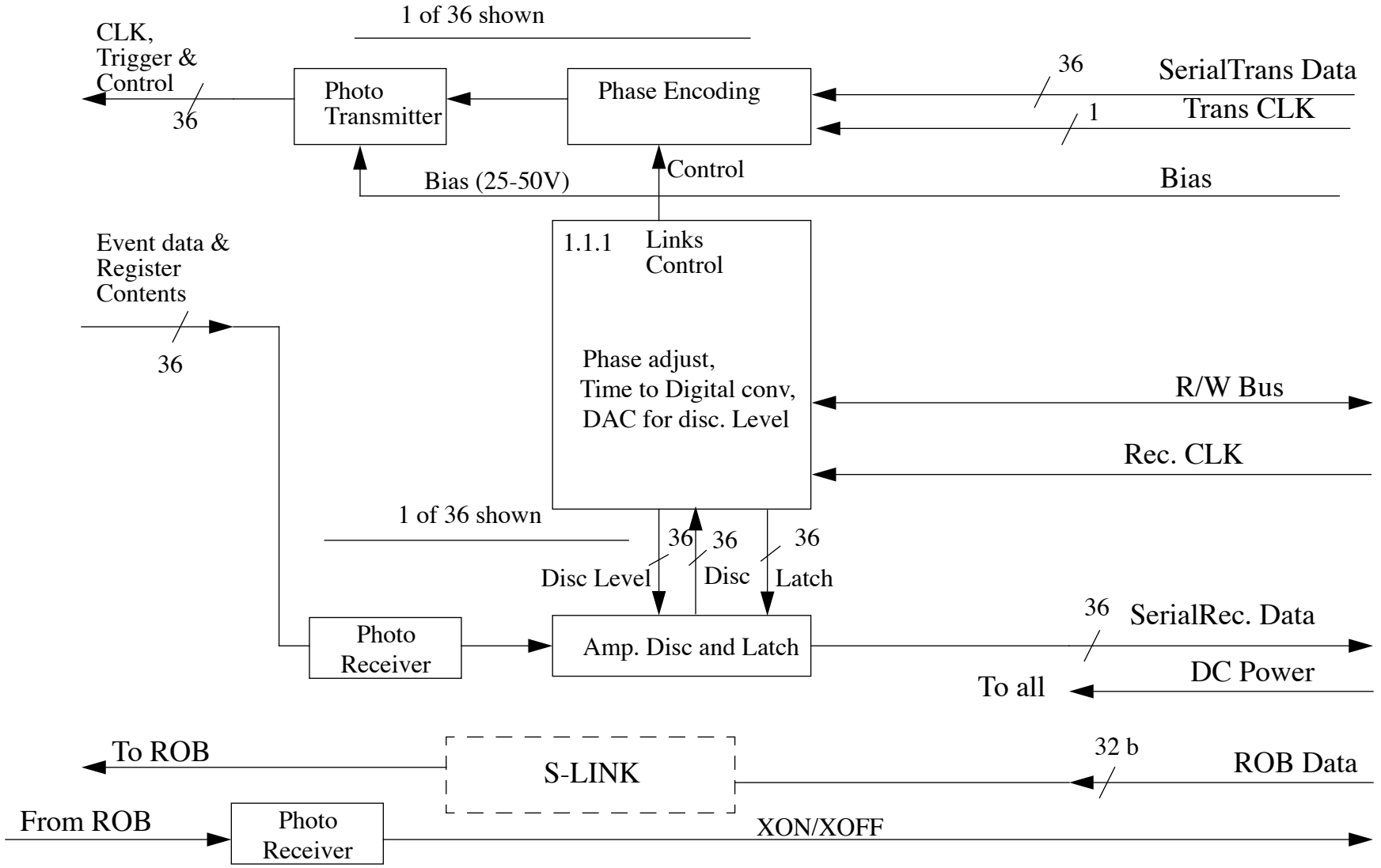
# ROD 0.0 Context



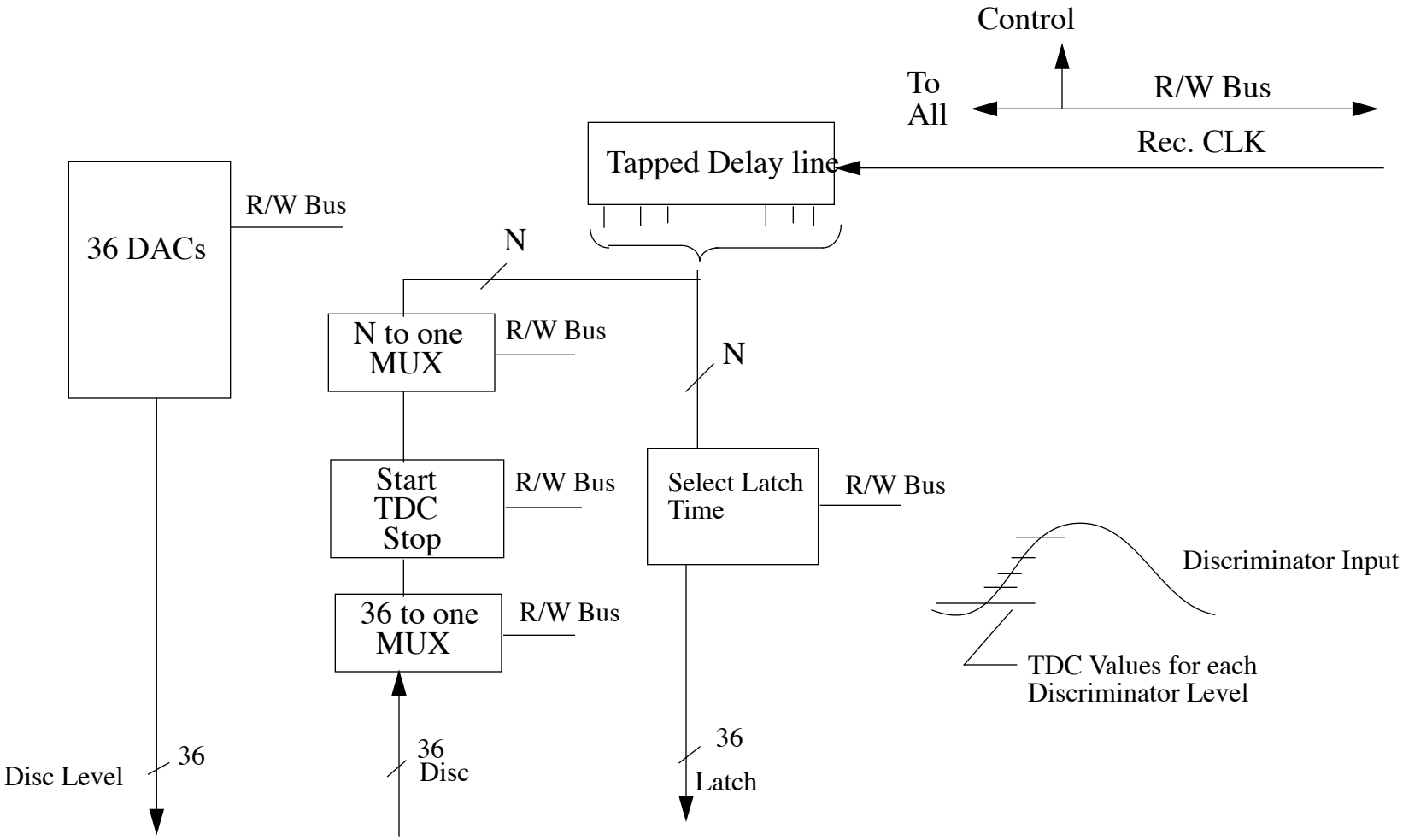
1.0 ROD Preprototype Card



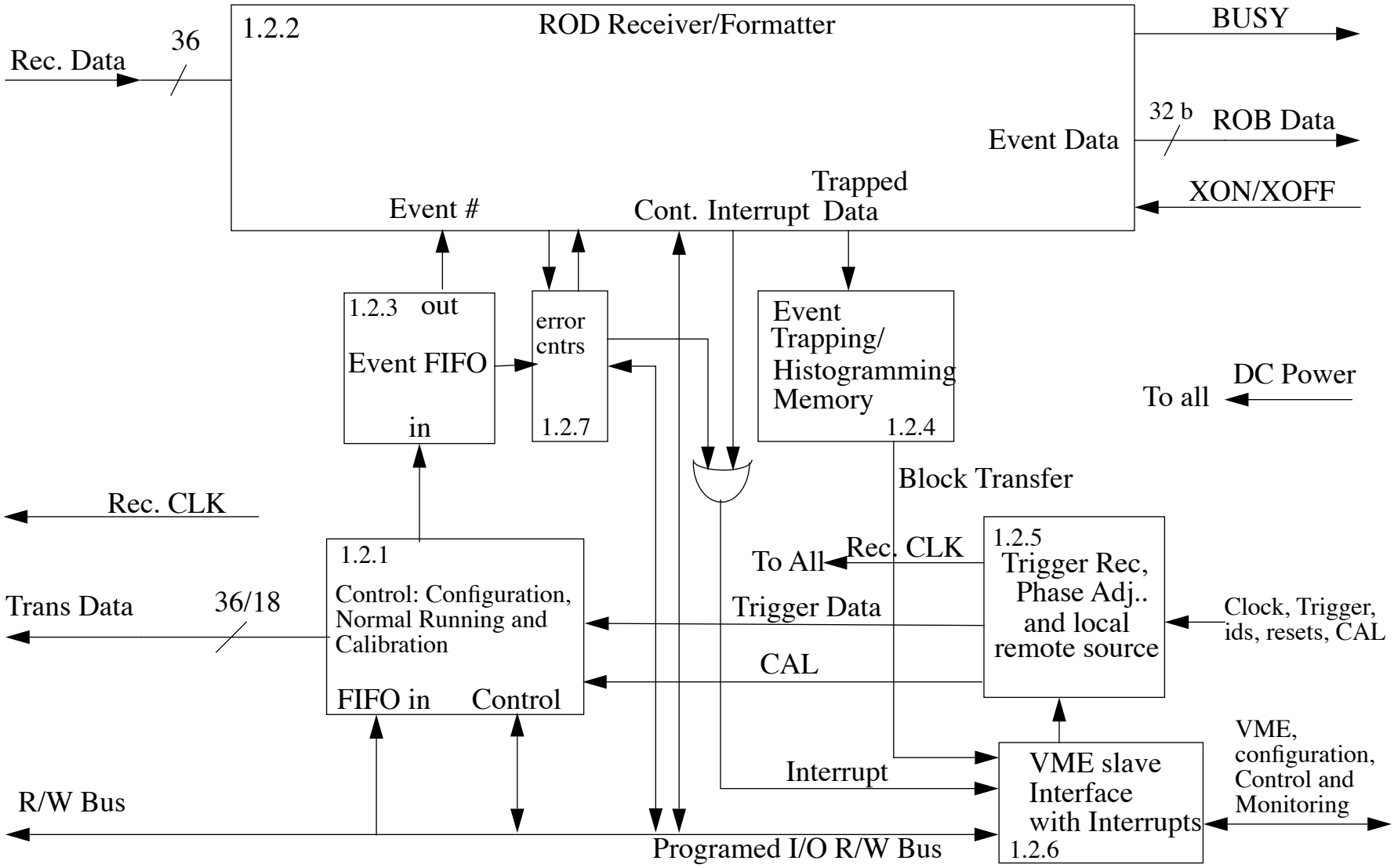
## 1.1 Optical Interface

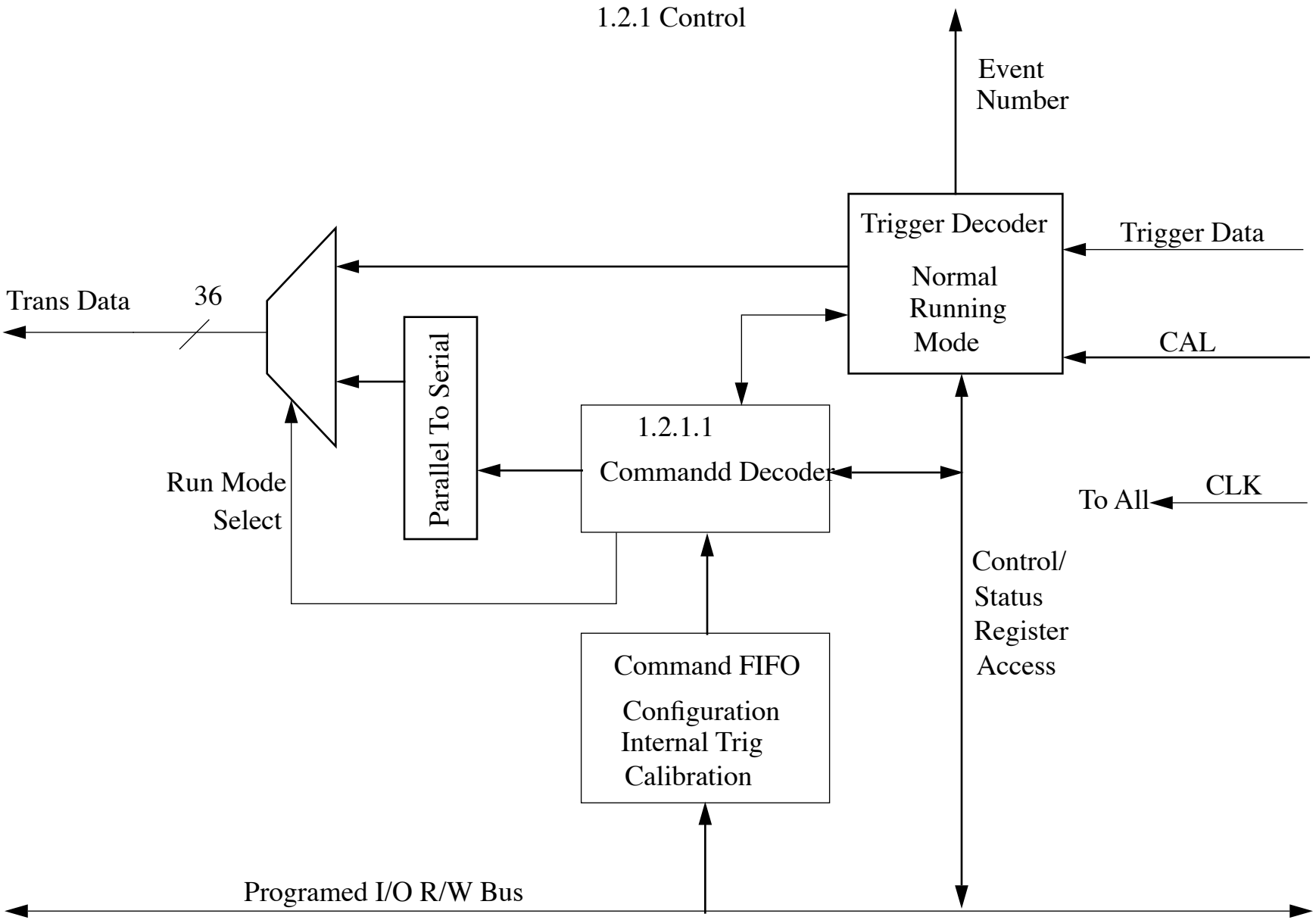


1.1.1 Links Control



1.2 Preprototype ROD Card




1.2.1 Control
Event Number
Trigger Decoder
Trigger Data
Normal Running Mode
CAL
Trans Data
36
Parallel To Serial
1.2.1.1
Commandd Decoder
Run Mode Select
To All
CLK
Control/ Status Register Access
Command FIFO
Configuration
Internal Trig
Calibration
Programed I/O R/W Bus

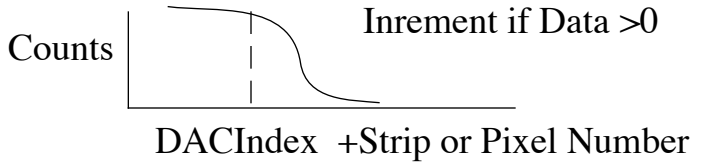
1.2.1.1 Commands Decoder

Mode

1. Idle This is the mode that must be entered when changing from one mode to another. The system is inactive in this mode
2. Control register on chip (read or write registers)
3. Control module (read or write registers)
4. ROD Card (read or write register)
5. Clear memory
6. Issue fast commands

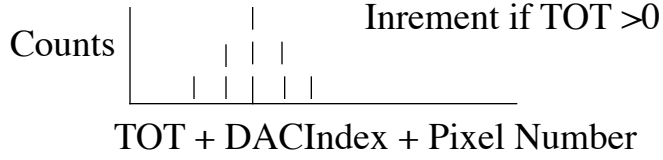
7. Histogram hit scan.

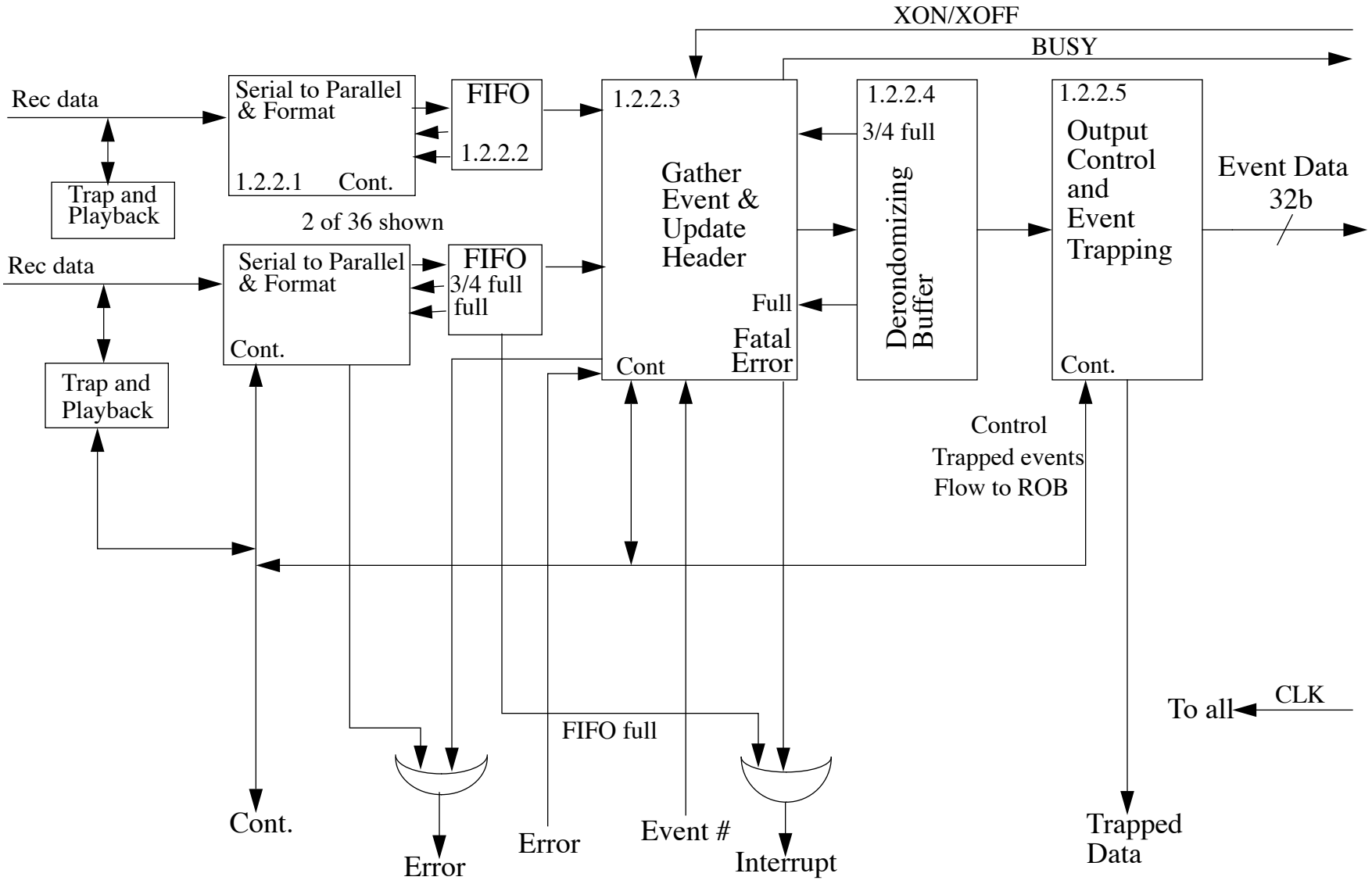
Registers
Number of pulses
Mem Index




8. Histogram Time Over Threshold (TOT) scan

Registers
Number of pulses
Mem Index




9. Chained operation, modes and data in FIFO
10. Reset

1.2.2 ROD Receiver/Formatter