



PEACH
FUZZER

ERPS Peach Pit
Data Sheet

- Peach Pit: Ethernet Ring Protection Switching (ERPS)
- Direction: Owner, Neighbour
- Supported Platforms: Linux

The Ethernet Ring Protection Switching Protocol covers the physical link layer and applies to single and multiple ring topologies. In a stable network, disabling one connection per Ethernet ring protects each ring from loops. Protection settings may change when rings develop more than one inactive connection or when inactive connections are restored. Ethernet ring protection switching maintains connectivity in a changing network. This protocol allows nodes in a ring topology to coordinate changes to physical link layer connections and to signal a need for these changes.

Specifications

Specification	Title
ITU-T G.8032: Ethernet Ring Protection Switching	Ethernet Ring Protection Switching

Use Cases

Messages	Specification
RAPS-NR	ITU-T G.8032: Ethernet Ring Protection Switching
RAPS-SF	ITU-T G.8032: Ethernet Ring Protection Switching
RAPS-FS	ITU-T G.8032: Ethernet Ring Protection Switching
RAPS-MS	ITU-T G.8032: Ethernet Ring Protection Switching

Supported Features

Supported Features	Specification
Unidirectional Signal Failure With Recovery	G.8032-201202 Fig. III.5
Single Link Failure With Recovery	G.8032-2012 Fig III.2
Manual Switch	G.8032-201202 10.2.4
Forced Switch	G.8032-201202 10.2.5