Heartbeat Packets

Heartbeat packets are sent out of each monitoring port. If the heartbeat packets are not received from either direction, then Bypass Mode takes effect. Heartbeat packets are never sent on the live network.

Have Questions?
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High Availability Crossfire Design
1G Failover Matrix with High Density

Applications
- A 1G high availability component failover matrix solution
- Take your NG-IPS offline without interrupting data traffic for:
  - Updates
  - Maintenance
  - Troubleshooting
- Full redundancy for multiple units - failover to second appliance should the primary fail
- TAP is fully configurable and supports multiple modes:
  - Breakout mode
  - Bypass mode
  - Aggregation mode
  - Regeneration mode

NOTE: This solution is also available in 10Gigabit with the Garland Technology EdgeLens®
Evaluate & Optimize
TAP live network only once. Breakout and configure security appliance off-line (Out-of-band)

Lifecycle
In Action

Trouble Shooting & Maintenance
Take off-line for updates, maintenance or troubleshooting

Validation/In-Line
Move into Bypass mode (in-band) for active in-line analysis

Garland Technology Ordering Information:

<table>
<thead>
<tr>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>INT1G8CCBP</td>
<td>1U Integrated Copper to Copper Bypass TAP (2) 100/1000 Copper TAP Ports (A, B) (6) 100/1000 Copper Monitoring Ports (C - H) Monitoring Ports C - F support Breakout, Bypass modes Monitoring Ports G - H support Breakout, Aggregation modes</td>
</tr>
<tr>
<td>INT1G8MCBP</td>
<td>1U Integrated Copper to Copper Bypass TAP (2) 100/1000 Copper TAP Ports (A, B) (6) 100/1000 Copper Monitoring Ports (C - H) Monitoring Ports C - F support Breakout, Bypass modes Monitoring Ports G - H support Breakout, Aggregation modes</td>
</tr>
<tr>
<td>INT1G8SCBP</td>
<td>1U Integrated Single-Mode to Copper Bypass TAP (2) 1000Base-X Single-Mode TAP Ports (A, B) (6) 100/1000 Copper Monitoring Ports (C - H) Monitoring Ports C - F support Breakout, Bypass modes Monitoring Ports G - H support Breakout, Aggregation modes</td>
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