



# EEE parameters for 2.5/5GBASE-T

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## 10GBASE-T EEE History

- ▶ **802.3az Draft 3.0 in April 2010**
- ▶ **Vendor interoperability begins – 2012**
- ▶ **10GBASE-T systems begin shipping with EEE - 2014**

## EEE Baseline Proposal

- ▶ Start with 10GBASE-T timings ( in clock cycles)
- ▶ Minimize changes to reduce interoperability issues
  - Maximize power savings with longer quiet periods
- ▶ Work in ad hoc to determine if changes are needed
- ▶ Timing in symbols:

Parameter	10G	5G	2.5G
Sleep	2304	2304	2304
Refresh	1024	1024	1024
Quiet	31744	31744	31744
Wake	2304	2304	2304
Alert	896	896	896

## EEE Baseline Proposal

### ▶ Timing in frames

- 2.5G/5G use 2x LDPC frames to compensate for half size frame

Parameter	10G	5G	2.5G
Sleep	9	18	18
Refresh	4	8	8
Quiet	124	248	248
Wake	9	18	18
Alert	3.5	7	7