

B10G 100 GB/S USE CASES

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B10G (100Gbps) Automotive Use Cases

- Video Aggregation (e.g. camera streams)
 - Autonomous vehicles are projecting to have about 20+ high resolution cameras. Each camera stream is projected to require 15+Gb/s data rate. Having 100 Gb/s link can facilitate the aggregation of several camera streams.
- Autonomous vehicle data share & download
 - Moving large amounts of data between modules in the vehicle, between IC's in a module
 - Downloading large amounts of data from the vehicle (server, data loggers/recorder, etc.)
 - The CFI found [here](#) calls out these use cases on pages 18, 19 and 20



B10G (100Gbps) Automotive Use Cases

- Currently, test vehicles on the road now are utilizing industry standard 25 and 50 Gb/s Ethernet. They are also realizing the need for multiple of these links to support their data transfer requirements. This is also called out in the CFI found [here](#) on page 22.
- The need for larger pipelines to accommodate data collection increases daily due to new feature and needs happening faster than specifications are released.



Thank you!

Questions?



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