

# Linux Base Virtual Function Driver for Intel(R) 10G Ethernet

Intel 10 Gigabit Virtual Function Linux driver. Copyright(c) 1999-2018 Intel Corporation.

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This driver supports 82599, X540, X550, and X552-based virtual function devices that can only be activated on kernels that support SR-IOV.

For questions related to hardware requirements, refer to the documentation supplied with your Intel adapter. All hardware requirements listed apply to use with Linux.

## Identifying Your Adapter

The driver is compatible with devices based on the following:

- Intel(R) Ethernet Controller 82598
- Intel(R) Ethernet Controller 82599
- Intel(R) Ethernet Controller X520
- Intel(R) Ethernet Controller X540
- Intel(R) Ethernet Controller x550
- Intel(R) Ethernet Controller X552
- Intel(R) Ethernet Controller X553

For information on how to identify your adapter, and for the latest Intel network drivers, refer to the Intel Support website: <https://www.intel.com/support>

## Known Issues/Troubleshooting

SR-IOV requires the correct platform and OS support.

The guest OS loading this driver must support MSI-X interrupts.

This driver is only supported as a loadable module at this time. Intel is not supplying patches against the kernel source to allow for static linking of the drivers.

VLANs: There is a limit of a total of 64 shared VLANs to 1 or more VFs.

## Support

For general information, go to the Intel support website at:

<https://www.intel.com/support/>

or the Intel Wired Networking project hosted by Sourceforge at:

<https://sourceforge.net/projects/e1000>

If an issue is identified with the released source code on a supported kernel with a supported adapter, email the specific information related to the issue to [e1000-devel@lists.sf.net](mailto:e1000-devel@lists.sf.net).