

# Other Firmware Interfaces

## DMI Interfaces

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\firmware\[linux-master] [Documentation] [driver-api] [firmware]other\_interfaces.rst, line 7)**

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```
.. kernel-doc:: drivers/firmware/dmi_scan.c
   :export:
```

## EDD Interfaces

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\firmware\[linux-master] [Documentation] [driver-api] [firmware]other\_interfaces.rst, line 13)**

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```
.. kernel-doc:: drivers/firmware/edd.c
   :internal:
```

## Intel Stratix10 SoC Service Layer

Some features of the Intel Stratix10 SoC require a level of privilege higher than the kernel is granted. Such secure features include FPGA programming. In terms of the ARMv8 architecture, the kernel runs at Exception Level 1 (EL1), access to the features requires Exception Level 3 (EL3).

The Intel Stratix10 SoC service layer provides an in kernel API for drivers to request access to the secure features. The requests are queued and processed one by one. ARM<sup>®</sup>'s SMCCC is used to pass the execution of the requests on to a secure monitor (EL3).

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\firmware\[linux-master] [Documentation] [driver-api] [firmware]other\_interfaces.rst, line 29)**

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```
.. kernel-doc:: include/linux/firmware/intel/stratix10-svc-client.h
   :functions: stratix10_svc_command_code
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\firmware\[linux-master] [Documentation] [driver-api] [firmware]other\_interfaces.rst, line 32)**

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```
.. kernel-doc:: include/linux/firmware/intel/stratix10-svc-client.h
   :functions: stratix10_svc_client_msg
```

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```
.. kernel-doc:: include/linux/firmware/intel/stratix10-svc-client.h
   :functions: stratix10_svc_command_config_type
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\firmware\[linux-master] [Documentation] [driver-api]**

**[firmware]other\_interfaces.rst, line 38)**

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```
.. kernel-doc:: include/linux/firmware/intel/stratix10-svc-client.h
   :functions: stratix10_svc_cb_data
```

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```
.. kernel-doc:: include/linux/firmware/intel/stratix10-svc-client.h
   :functions: stratix10_svc_client
```

**System Message: ERROR/3 (D:\onboarding-resources\sample-onboarding-resources\linux-master\Documentation\driver-api\firmware\[linux-master] [Documentation] [driver-api] [firmware]other\_interfaces.rst, line 44)**

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```
.. kernel-doc:: drivers/firmware/stratix10-svc.c
   :export:
```