



acontis technologies GmbH

SOFTWARE

EC-Master

EtherCAT® Master Runtime Licensing

Version 1.3

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1 Introduction

The EC-Master software is delivered as a protected version that automatically stops after about 1 hour of continuous operation. In order to remove this restriction a valid license key is required. The license key protection is based on the MAC Address of the Ethernet controller used for the EtherCAT protocol. With a valid License Key the protected version of EC-Master will automatically become an unrestricted version.

2 Licensing Process

2.1 Development Licenses

1. Installation of EC-Master protected version
2. Determine the MAC Address by calling `ecatGetSrcMacAddress(&oSrcMacAddress)` or from a sticker applied on the hardware near the Ethernet controller
3. Send an Email with the subject "**Development License Key Request**" with the MAC address to sales@acontis.com
4. Acontis will create the license keys and return them in a **License Key Text File (CSV format)**.

Example:

```
Number;MAC Address;License Key  
1;00-00-5A-11-77-FE;DA1099F2-15C249E9-54327FBC  
2;64-31-50-80-20-4E;1B7C1F86-D08E40A8-4F96F2BA
```

5. Activate the License Key by calling `ecatSetLicenseKey()` with the license key that corresponds to the MAC address on the hardware and check the return code. The license key is 26 characters long. The API `ecatSetLicenseKey()` must be called after `ecatInitMaster()` and before `ecatConfigureMaster()`. Please refer to the Class B manual section 4.3.28.

Example:

```
dwRes = ecatSetLicenseKey("DA1099F2-15C249E9-54327FBC");
```

2.2 Runtime Licenses

1. Installation of EC-Master protected version
2. Determine the MAC Address by calling `ecatGetSrcMacAddress(&oSrcMacAddress)` or from a sticker applied on the hardware near the Ethernet controller
3. Provide the MAC Addresses and numbers from previously ordered and unused runtime license stickers in a text file to acontis as described in the example below. Please use a separate line for each runtime license sticker number and MAC Address.

Example:

```
100-105-1-1/1603310001;00-00-5A-11-77-FE
```

100-105-1-1/1603310002;64-31-50-80-20-4E

4. Send an Email with the subject “**Runtime License Key Request**” with the MAC address to sales@acontis.com
5. Acontis will create the license keys and return them in a **License Key Text File**.

Example:

Number;MAC Address;License Key

1;00-00-5A-11-77-FE;DA1099F2-15C249E9-54327FBC

2;64-31-50-80-20-4E;1B7C1F86-D08E40A8-4F96F2BA

6. Activate the License Key by calling `ecatSetLicenseKey()` with the license key that corresponds to the MAC address on the hardware and check the return code. The license key is 26 characters long. The API `ecatSetLicenseKey()` must be called after `ecatInitMaster()` and before `ecatConfigureMaster()`. Please refer to the Class B manual section 4.3.28.

Example:

```
dwRes = ecatSetLicenseKey("DA1099F2-15C249E9-54327FBC");
```

3 Troubleshooting

If the format of the license key is wrong, `ecatSetLicenseKey()` returns error code `EC_E_INVALIDSIZE`. The correct length is 26 characters.

If the license key doesn't match to the MAC Address, `ecatSetLicenseKey()` returns error code `EC_E_LICENSE_MISSING`.