Service packages and licenses

Since version 1.4, it is distinguished between two firmware versions:

- The continuously freely maintained and published version **“base”**,
- As well as the new version **“pro”**, enriched with new and powerful features.

The latter one is not freely offered, but acquired with a new license. This license may either be individually bought, in this case, the firmware package is supplied by e-mail. Or it is bought in the shop together with a purchased Netzer.



The pro version requires an update to Bootloader 3.

Overview about the current service features of the 1.4 pro package:

Name	**Description**
Allocation modes IP-address	Error handling in the event of DHCP-servers not found. Further details under: Netzwerkeinstellungen
GPIO counter	For IO0, IO1 as well as IO2 a counter mode may be configured. Further details under: Beam counter
ADC	IO4 and IO5 supply 10 bit ADC-values. Further details under: ADC
PWM	IO3 and SPI_INT supply 10 bit PWM and up to 16 bit impulse. Further details under: PWM & Impulse
GPIO-Server	The GPIO server sends messages in the event of decreasing or increasing beams at the digital pins. Moreover, all new modes (ADC, PWM, Impulse) are directly accessible via the server. Further details under: GPIO Server
More GPIO settings	Adjustable radix, auto-refresh, authendification, ... Further details under: GPIO settings
HTTP	The port number may be changed.
SPI Master	All pins may be accessed via a slightly changed protocol. Hence, several SPI slaves are possible now as well.
Access control	Since version 1.3, the Zugangskontrolle is available. With immediate effect, it is only included in the pro service package.

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