



# PROTEUS V8.11

## NEW FEATURES

### Introduction

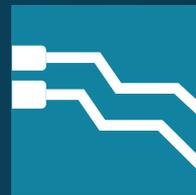
Proteus 8.11 is an interim point release introduced in August 2020.

The core feature is enhancement to our support for differential pair routing to enable length matching of differential pairs. We've also implemented a method for importing and translating DXF files into copper traces and power planes to improve the workflow for antenna design. Several other smaller user requested features are included.

The other main focus of work in this release has been on our cloud licensing technology. This can benefit both Enterprise and Education by allowing more flexible access to licenses during these troubling times.

### Main Features

#### Diff Pairs



Automatic length matching of diff pairs to either target distance or to another diff pair.

#### Import DXF



Enable translation of simple imported DXF data to copper tracks and zones in Proteus.

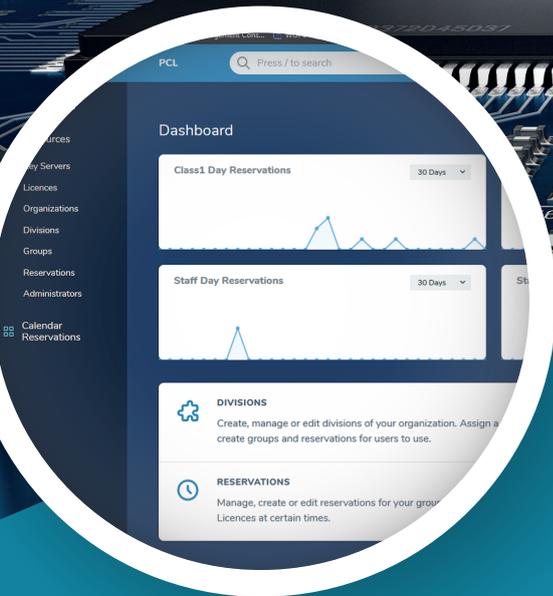
#### Cloud Licensing



Web Portal license management system with groups and reservations. Ideal for larger teams and education.



# PROTEUS DESIGN SUITE



## Cloud Licensing Web Portal

The cloud licensing web portal provides an easy to use, safe and flexible way for enterprise and education to manage their seat counts. Licenses can be reserved for teams at specific times and then released in the license pool for general use. Individual groups can be set up with permanent reservations to ensure guaranteed access and a metrics dashboard gives feedback on usage.

## Coming Soon

Version 8.12 will be a major point release and is expected towards the end of the year. In this release we plan to complete our current phase of work on high speed design with support for pass through components in differential pairs. Version 8.12 will also see the initial phase of our support for multi-board projects with different layer stackups, design rules and so on. This is being implemented as a single schematic with multiple PCB architecture.

### New Feature videos:

- [Cloud Licencing Web Protal](#)
- [Import DXF to Copper](#)

## Differential Pairs

Differential pair support has been enhanced to include automatic length matching of diff pairs to either a target distance or to a second diff pair. This works by the addition of matching serpentine segments to both tracks in the differential pair.

## Import DXF to Copper

We've improved the import DXF functionality to allow a translation from graphic to copper objects on import. This means that graphic lines can become copper tracks and closed polygons can become power planes. The user will then have to route to the tracks or edit the power plane to assign a net.

The goal here is to improve the workflow for antenna design and import. Feedback is most welcome.

## SMT Pad Control

We've enhanced the pad style configuration for SMT pads to allow a percentage shrink of paste mask against the pad dimensions. We've also added the ability to remove the guard gap (solder mask opening) from the pads.

- [Differential Pairs](#)
- [Component Placement Report](#)