

## Integr8tor v2022.06

# Integr8tor v2022.06

The fast and most accurate AI and web-based Sales & Engineering solution

Upgrade now to v2022.06 to enjoy all the new and exciting functionalities!



### Java 17 upgrade

Code patches and security updates

## Java 17 upgrade

The most recent Long-Term Support Java version available

- Java 17.0.2 is currently the most recent Long-Term Support (LTS) Java version available
- It embeds the latest code patches and security updates, and with Premier Support from Oracle until September 2026 and Extended Support until September 2029, this will continue to be the case for many years to come
- With a General Availability date from September 2021, it has gathered ample mileage to ensure adequate solidity and robustness
- Same field-proven open Java 17 JDK distribution for Integr8tor and UcamX v2022.06
- Maximum compatibility between the two packages and facilitates the task of those who take care of automation and inter-operability

Oracle Java SE Support Roadmap <sup>*†</sup>				
Release	GA Date	Premier Support Until	Extended Support Until	Sustaining Support
7 (LTS)	July 2011	July 2019	July 2022 <sup>*****</sup>	Indefinite
8 (LTS)**	March 2014	March 2022	December 2030 <sup>*****</sup>	Indefinite
9 (non-LTS)	September 2017	March 2018	Not Available	Indefinite
10 (non-LTS)	March 2018	September 2018	Not Available	Indefinite
11 (LTS)	September 2018	September 2023	September 2026	Indefinite
12 (non-LTS)	March 2019	September 2019	Not Available	Indefinite
13 (non-LTS)	September 2019	March 2020	Not Available	Indefinite
14 (non-LTS)	March 2020	September 2020	Not Available	Indefinite
15 (non-LTS)	September 2020	March 2021	Not Available	Indefinite
16 (non-LTS)	March 2021	September 2021	Not Available	Indefinite
17 (LTS)	September 2021	September 2026 <sup>****</sup>	September 2029 <sup>*****</sup>	Indefinite
18 (non-LTS)	March 2022	September 2022	Not Available	Indefinite
19 (non-LTS)***	September 2022	March 2023	Not Available	Indefinite
20 (non-LTS)***	March 2023	September 2023	Not Available	Indefinite
21 (LTS)***	September 2023	September 2028	September 2031	Indefinite

*(Upgrade free of charge for users under the base Integr8tor framework license)*

## Gerber archives

New data handling capabilities

- Added intelligence to differentiate between different layouts within a single zip file
- More Gerber archives come with a single image as well as a (assembly) panel layout, separated in different folders within the zip
- Better stack-up results, first-pass hit rates and processing time
- When a combined single image and (assembly) panel archive is detected, the single continues its way into the Workflow engine while the panel is demoted and kept out of harm's way
- Substantial reduction of run-time of combined archives; less interactive work
- Quality of analysis results improved immensely
- Appropriate Input Remarks flag the presence of multiple data sets within the zip to the user

Name	Size	Packed Size	Modified
1-UP_GBR_REV_7_08JUN19	2 745 849	385 337	2019-06-28 08:42
Gerber_6-UP_REV_7_08JUN19	15 719 501	1 708 365	2019-06-28 08:42

(Free of charge extension for users with the Integr8tor AutoInput license)

## Customer Profiling

Configure a number of software modules in different ways

- Customer Profiling is an existing licensed Integr8tor option, allowing to configure a number of software modules in different ways, depending on purpose or customer
- Six supported software modules:
  - Dynamic Panel Optimizer
  - Layer renaming
  - Tooltables
  - Wheel files to steer DXF import
  - PanelConfig (new)
  - Conditional Formatting (new)

Type	Copper Width	Critical Copper Width	Trace Width	Critical Trace Width	Copper to Copper Clr.	Trace to Trace Clr.	Same Net Clr.	Annular Ring	Copper to Plated Clr.	Copper to NPTH Clr.	Copper to Outline Clr.
	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm
Outer	0.17	0.17	0.17	0.17	0.07	0.12	0.18	0.12	0.20	0.22	0.48
Inner	0.25	0.25	>0.40	>0.40	>0.80	>0.50	0.20	0.13	0.20	0.20	0.48

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  <FormattingRule id="copperlayers"></FormattingRule>
  <FormattingRule id="soldermask"></FormattingRule>
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  <FormattingRule id="paste"></FormattingRule>
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  <FormattingRule id="holesinsmdpads">
    <Condition>inset</Condition>
    <Value1>yes</Value1>
  </FormattingRule>
</Group>
</I8ConditionalFormatting>
```

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competence

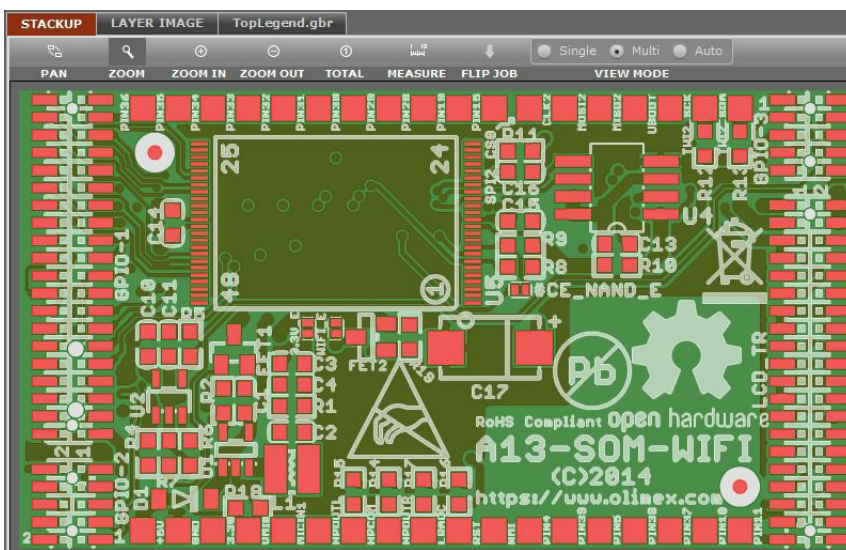
- The new panel configuration and conditional formatting options allow for easy visualization of the technical bottlenecks of a job for fabricator A, B or C or the panel yields of a board at fabricator X, Y or Z

*(Free of charge extension for users with the Integr8tor Customer Profiling license)*

## Performance optimization

### Skip the conversion of non-eligible layers

- The generation of PCB layer images for display in Cockpit > Job Editor > Layer Structure Editor is a highly CPU-intensive task. This used to increase the total processing time needlessly for drill drawings or other “informational” layers
- Integr8tor v2022.06 optimizes this process by skipping the conversion of layers that are not eligible for display in Layer Structure Editor anyway
- Noticeable time gains



*(Free of charge extension for users with the Integr8tor AutoAnalyzer license)*

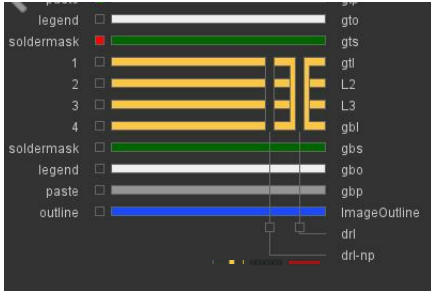
## New Checkpoint version

### Now also displays paste layers

- Based on Java 17, in line with Integr8tor and UcamX
- Now also displays paste layers, if available
- The ability to visualize paste layers in combination with the rest of the PCB data makes a valuable asset, for instance to judge on paste layer requirement on boards with Via-in-Pad technology ...

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*(Free of charge extension for users with the Integr8tor Checkpoint license)*

## And more ...

Integr8tor v2022.06 comes with a host of [fixes](#) for issues you have cared to report.

Please keep on doing so. Your feedback is highly appreciated.

Thank you!

## Install v2022.06

Integr8tor v2022.06 is now available for download from <ftp.ucamco.com>.

We recommend installing this update at your earliest convenience.

For any further questions you may have, please contact our local business partner or the Ucamco helpdesk.

We thank you for choosing a Ucamco product.

## Detailed demo

The video below provides a more technical, in-depth look at the newest version of Integr8tor. Click play to start the video, or watch it directly on our [YouTube channel](#).

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