

# Accelerators & Burst Packs

for FDTD & varFDTD Simulations

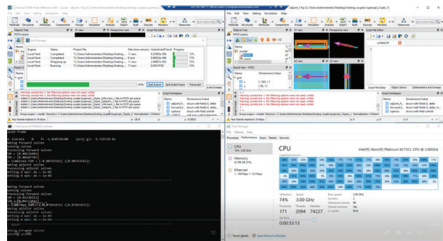
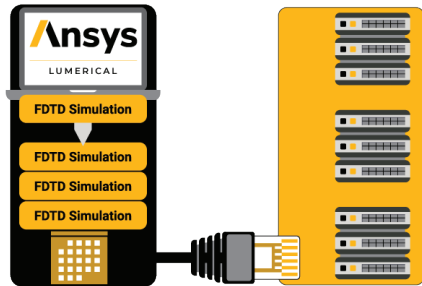
## FDTD Accelerator | MODE Accelerator

- Significantly speed up very large individual simulations or parameter sweeps with many small simulations
- For on-premises platforms or cloud platforms
- Job checkpointing to access inexpensive spot pricing
- Support for Amazon Linux and self-activated licensing

## FDTD Burst Pack

- Provides 1 FDTD and 10 FDTD Accelerator licenses with a flexible, cost-efficient pricing model for 10- and 30-day bursts
- Transition simulations to the cloud to take advantage of massive computing resources

[www.lumerical.com/products/](http://www.lumerical.com/products/)



PIC Design • PDK Development • EDA Integration  
Optical Simulation • Electrical Simulation • Thermal Simulation

# Photonic Component & Circuit Design Software

## SYSTEM Suite

for Photonic Integrated Circuit Simulation

**INTERCONNECT** Photonic Integrated Circuit Simulation  
**CML Compiler** Photonic Model Development Kit  
**CML Publisher+** CML License Protection Option  
**Laser Library** Advanced Laser Modeling Extension  
**System Library** Advanced System Modeling Extension  
**Photonic Verilog-A Platform**

## DEVICE Suite

for Photonic Multiphysics Simulation

**FDTD** 3D Electromagnetic Simulator  
**MODE** Waveguide Simulator  
**CHARGE** 3D Charge Transport Simulator  
**HEAT** 3D Heat Transport Simulator  
**DGTD** 3D Electromagnetic Simulator  
**FEEM** Waveguide Simulator  
**MQW** Quantum Well Gain Simulator  
**STACK** Optical Multilayer Simulator

## HPC & Cloud

### FDTD

FDTD Accelerator  
FDTD Burst Pack

### MODE

MODE Accelerator

## Interoperability Products

### Automation API

Python  
Lumerical Script

### Tool Integrations

IPKISS Interoperability  
KLayout Interoperability  
Matlab Interoperability  
Tanner Interoperability  
Virtuoso ADE Interoperability  
Zemax Interoperability

### Foundry Support

AIM Photonics Si-Ph Reader  
AMF Reader  
CompoundTek Reader  
HHI Reader  
imec Reader  
SMART Reader  
TowerJazz Reader