



Sciences et technologies de l'Industrie et du développement durable

SIN – FPGA Installer les outils de développement

ALTERA QUARTUS et MENTOR MODELSIM (exemple avec QUARTUS 10)

Sur le site www.altera.com, créer un compte en indiquant votre adresse courriel puis
« submit »

The screenshot shows the Altera website's registration page. At the top right, there is a blue button labeled "Sign in/register myAltera Account". Below it, there are input fields for "Username:" and "Password:", a "Remember me" checkbox, and a "Sign In" button. A link "Forgot my username or password" is also present. Below the login section, there is a registration form with the text "Don't have myAltera account? Register Now. Enter your email address:" followed by an input field containing "charles.tucker@laposte.net" and a "Submit" button. The page features a navigation menu with "Products", "End Markets", "Technology", "Training", "Support", "About Altera", and "Buy". The main content area has a banner for "Build Flexibility into Your Industrial Apps with FPGAs" and several promotional tiles for webcasts, white papers, and software versions. At the bottom, there are sections for "Devices & Design Tools", "Learning Resources", and "Downloads & Licensing".

Renseigner alors tous les champs possédant un astérisque rouge *

* Please check all topics that interest you:

<input checked="" type="checkbox"/> CPLDs	<input checked="" type="checkbox"/> HardCopy ASICs
<input type="checkbox"/> Digital signal processing	<input checked="" type="checkbox"/> High-density FPGAs
<input checked="" type="checkbox"/> Embedded processors	<input checked="" type="checkbox"/> Low-cost FPGAs

* When was the last time you designed with an Altera® product?

I'm currently designing with Altera products
 More than 1 year ago
 Never

Yes, I'd like to receive product announcement and update emails from Altera.
 Yes, I'd like to receive the Inside Edge-Altera's Monthly eNewsletter.

* Create User Name (3-20 characters, no spaces)

* Create Password (Minimum 6 characters)

* Confirm password

I agree to the [Terms of Service](#)
 Remember me

Indiquer votre nom de connexion et votre mot de passe, ALTERA active immédiatement votre compte.

Une fois votre compte actif, vous pourrez aller sur le site www.altera.com et vous connecter en utilisant le nom de compte et le mot de passe indiqué précédemment.

The screenshot shows the Altera website's 'myAltera Account' page. The main heading is 'Your myAltera Account has been Created'. Below this, there is a list of actions you can do with a myAltera account, including 'Download Software', 'Get Software Licenses', 'Sign up for Training', 'File a Service Request', 'Sign up for Literature Update Notifications', 'Request Literature', and 'Download Reference Designs'. A red arrow points to the 'Download Software' link.

Cliquer « Download Software »

Ou <https://www.altera.com/download/software/quartus-ii-we>

Il existe deux versions de QUARTUS et MODELSIM, la principale différence concerne les licences de bibliothèques logicielles (IP library) comme celle du processeur NIOS. La version gratuite (Web edition) est pratiquement identique à la version commerciale, mais les composants utilisant des bibliothèques payantes ne seront utilisables que lorsque la carte de test est physiquement connectée au PC, certaines options d'optimisation de la compilation et du routage ne sont pas disponibles. Pour en savoir plus cliquer « compare ». La version « Web Edition » gratuite, est souvent largement suffisante.

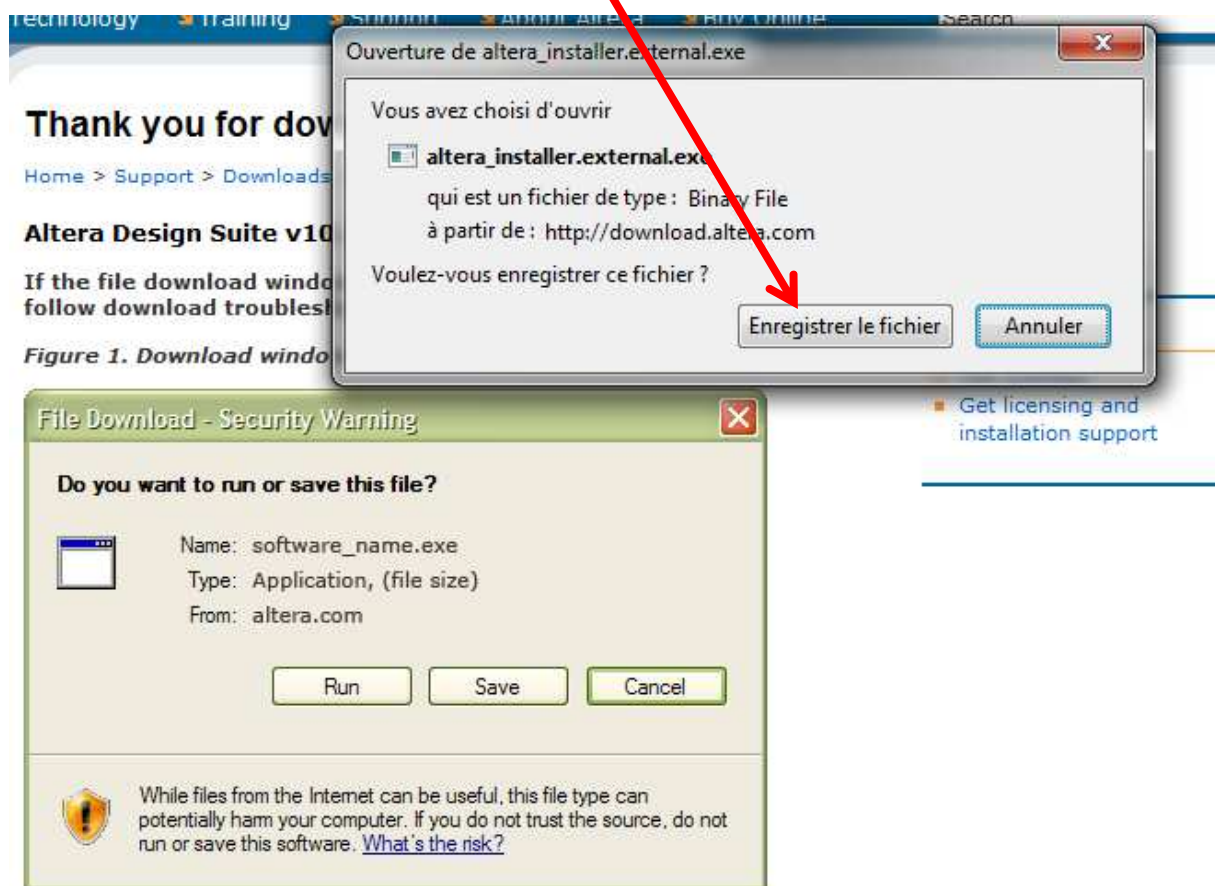
Cliquer « Download » Windows ou Linux suivant votre système.

The screenshot shows the Altera software download page. It features logos for Quartus II, ModelSim, Nios II, and DSP Builder. Below the logos, there is a section titled 'Download your choice of current design software:'. This section lists several software options, including Quartus II v10.1 (Subscription Edition and Web Edition), ModelSim-Altera (Starter Edition and Edition), and Nios II Embedded Design Suite. There are also buttons for 'Download Windows Version (12 MB)' and 'Download Linux Version (20 MB)'. A yellow arrow points to the 'Download your choice of current design software' section, and a red arrow points to the 'Download Windows Version (12 MB)' button.

Download Individual Components

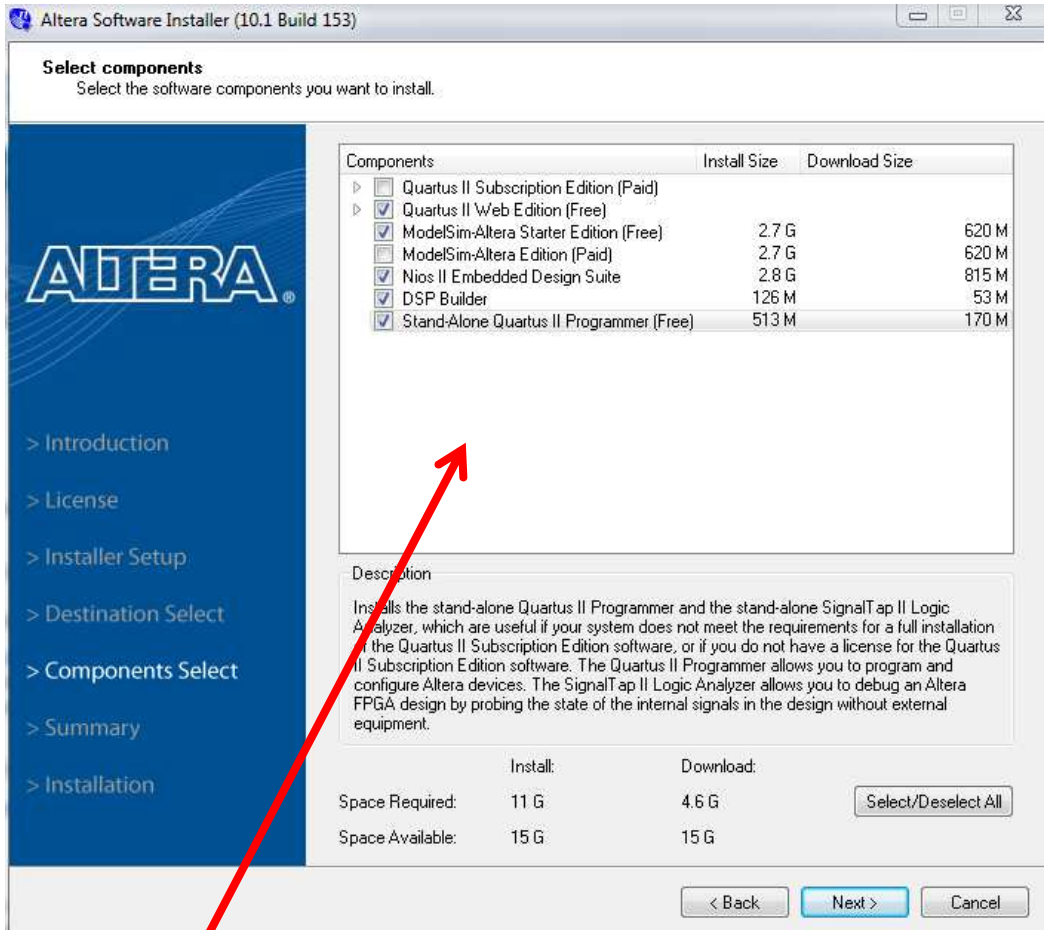
The screenshot shows the 'Download Individual Components' page. It features a two-step process: Step 1: Select Product Category and Step 2: Select Product. A 'GO' button is visible at the bottom right of the selection area. To the right, there is a 'New Users Getting Started Steps' section with three steps: 1. Download Quartus II Web Edition for Free, 2. Watch Interactive Tutorials, and 3. Take Free Online Courses. A 'Learn More' button is at the bottom.

Télécharger l'installateur ALTERA , cliquer « enregistrer le fichier »



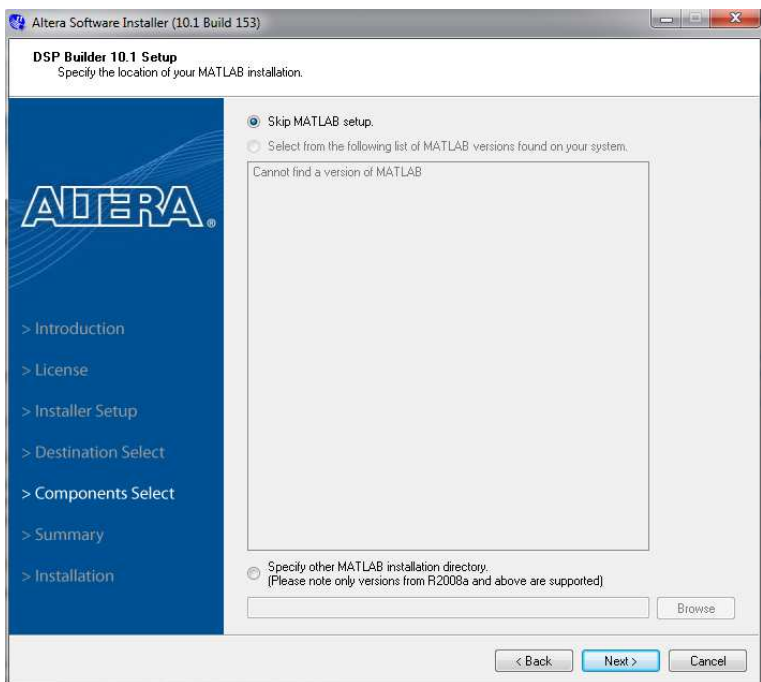
Après téléchargement, lancer l'installateur ALTERA

Next, accepter la licence, next, indiquer les caractéristiques du proxy de l'établissement si nécessaire, next, choisissez le dossier d'installation, next.



Sélectionner les logiciels à installer, des licences complètes gratuites pour l'éducation peuvent être demandées sur le site ALTERA (voir ci-après) ou en contactant le CNFM (www.cnfm.fr) pascal.Lepinay@cnfm.fr .

Next,



Next, next.

Le téléchargement et l'installation peuvent être longs. Des raccourcis sont créés sur le bureau vers les trois principaux logiciels :



Obtenir une version complète (facultatif pour le parcours STI2D) :

Demander une licence complète et gratuite sur le site www.altera.com

Sur le bandeau haut de la page d'accueil, cliquer « training » puis « university program » , puis dans « Educational Materials » « software tools »



Cliquer maintenant sur « license request »

Educational Materials
 ▸ Dev. & Education Boards
 ▾ **Software Tools**
 Quartus II
 Nios II
 Altera Monitor Program
 ModelSim-Altera
 University Program Design Suite
 DSP Builder
 ▸ Digital Logic
 ▸ Computer Organization
 University Links
Events
 Conferences
 Workshops
 Innovate Design Contests
Members
 License Request
 Board Request
 Board Purchase

Software Tools
 Home > Training > University Program > Software Tools
 Altera® grants educational institutions easy access to today's leading design software and industry-standard EDA tools. Altera's University Program offers a variety of commercial-grade CAD software for use with Altera's Development and Education boards. It includes:

- [Quartus® II Software](#)
- [Quartus® II Simulator](#)
- [Nios® II Embedded Design Suite](#)
- [Altera Monitor Program](#)
- [ModelSim Simulation Software](#)
- [DSP Builder Toolkit](#)

To download this software click [here](#). To obtain a license for the software, visit the Altera University Program [software licensing page](#) and follow the instructions.

Tutorials
 The table below lists tutorials about these tools. Some tutorials exist in multiple versions, dependent on a hardware description language (Verilog or VHDL), development board, and a Quartus II version. Use the filters below to choose the ones that are appropriate for your course.

Complétez soigneusement le formulaire et transmettez le à ALTERA, après validation de la demande, votre licence vous sera transmise par courriel.

University Program License Request

[Home](#) > [Training](#) > [University Program](#) > [License Request](#)

The Altera University Programs offers you two ways to receive the Quartus II software and the subsequent upgrades:

- [Download the latest version of Quartus II Web Edition](#) and subsequent upgrades at any time from our web site. This is the preferred method. If you chose this method, you do **not** need to fill out this form.
- Fill out this form to request a license for your Quartus II software. If you do not have a copy of the Quartus II software, please specify in the comment box below that you would also like to receive a copy of the software.

We believe that the convenience of downloading the Quartus II Web Edition software makes it the best choice for most users. The primary restriction of the Web Edition is that there is no device support for HardCopy or for the larger members of the Stratix and Stratix II families. See this [page](#) for a table that shows the differences between Quartus II and Quartus II Web Edition.

Eligibility:

Only professors/instructors registered as a member of the University Program are eligible for license grants.

* Required Field

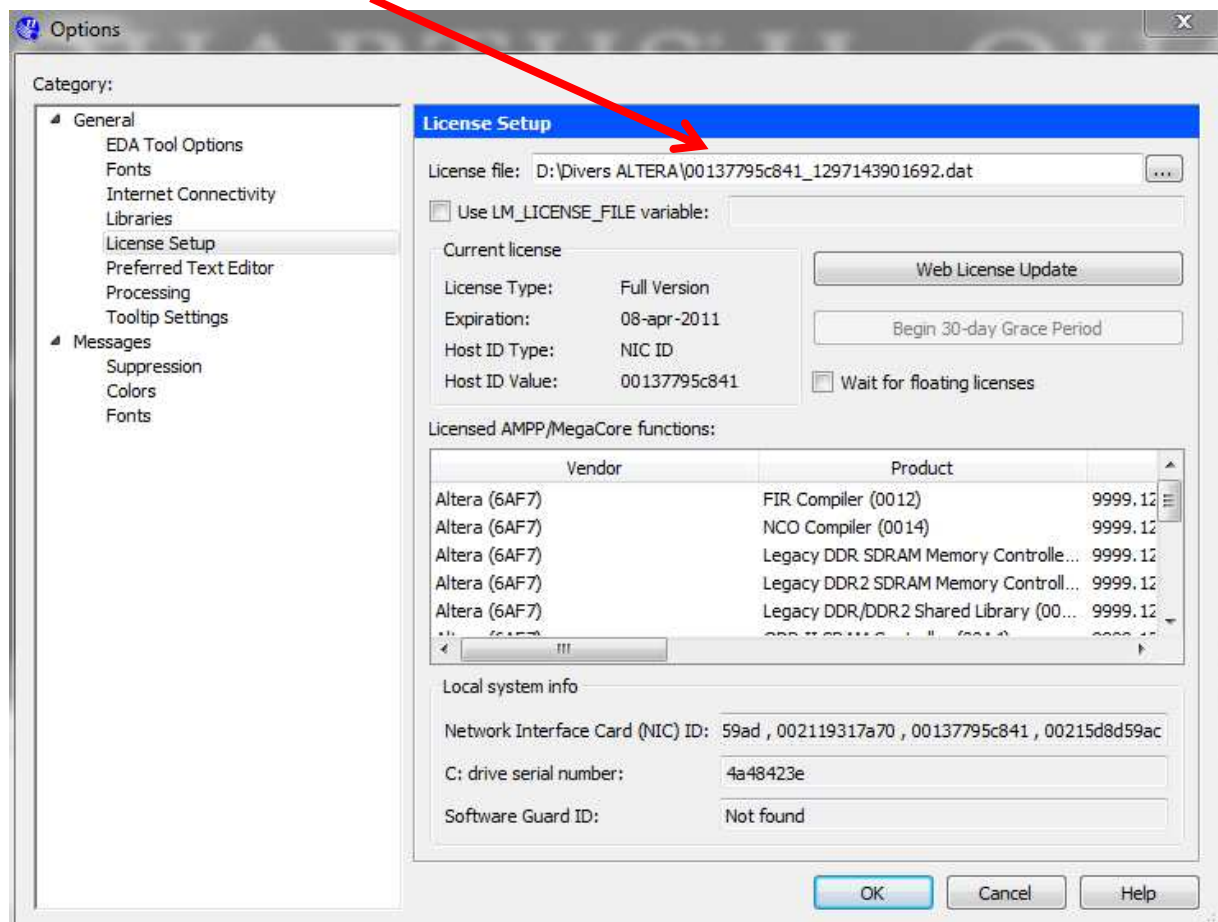
Region: * France

European applicants may also submit this request via [EUROPRACTICE](#).

Request Items

Altera Software Licenses						
	Name	Description	# Licenses	Lead Time ¹	Host Name	NIC/MAC Number ²
<input checked="" type="checkbox"/>	SW-QUARTUS-SE-FIX	Stand-alone PC license (Recommended for single PCs ³)	1	1 week		

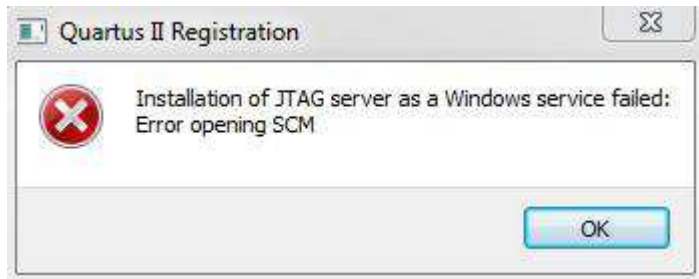
Une fois le fichier de licence reçu, lancez QUARTUS. Menu « tools » sélectionner « liscence setup ». Indiquer le chemin du fichier licence.



Problèmes rencontrés avec WINDOWS 7 et VISTA.

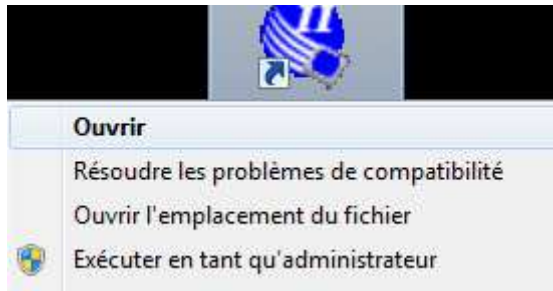
(Probablement corrigés dans les versions suivantes)

Il peut arriver que le driver JTAG ne démarre pas lors de l'ouverture de la session. Le message suivant peut apparaître :



Essayer alors de lancer QUARTUS en tant qu'administrateur de la machine.

Clique-droit puis « exécuter en tant qu'administrateur »



Les téléchargements peuvent être longs et ne pas aboutir. Il est possible de télécharger indépendamment, Quartus, ModelSim et NIOSII en suivant ce lien. (Les licences pour la version complète peuvent être demandées indépendamment à Altera)

<http://goo.gl/JkNQO>