



Intrinsyc CV2X User Guide

From ordering to registering and accessing support

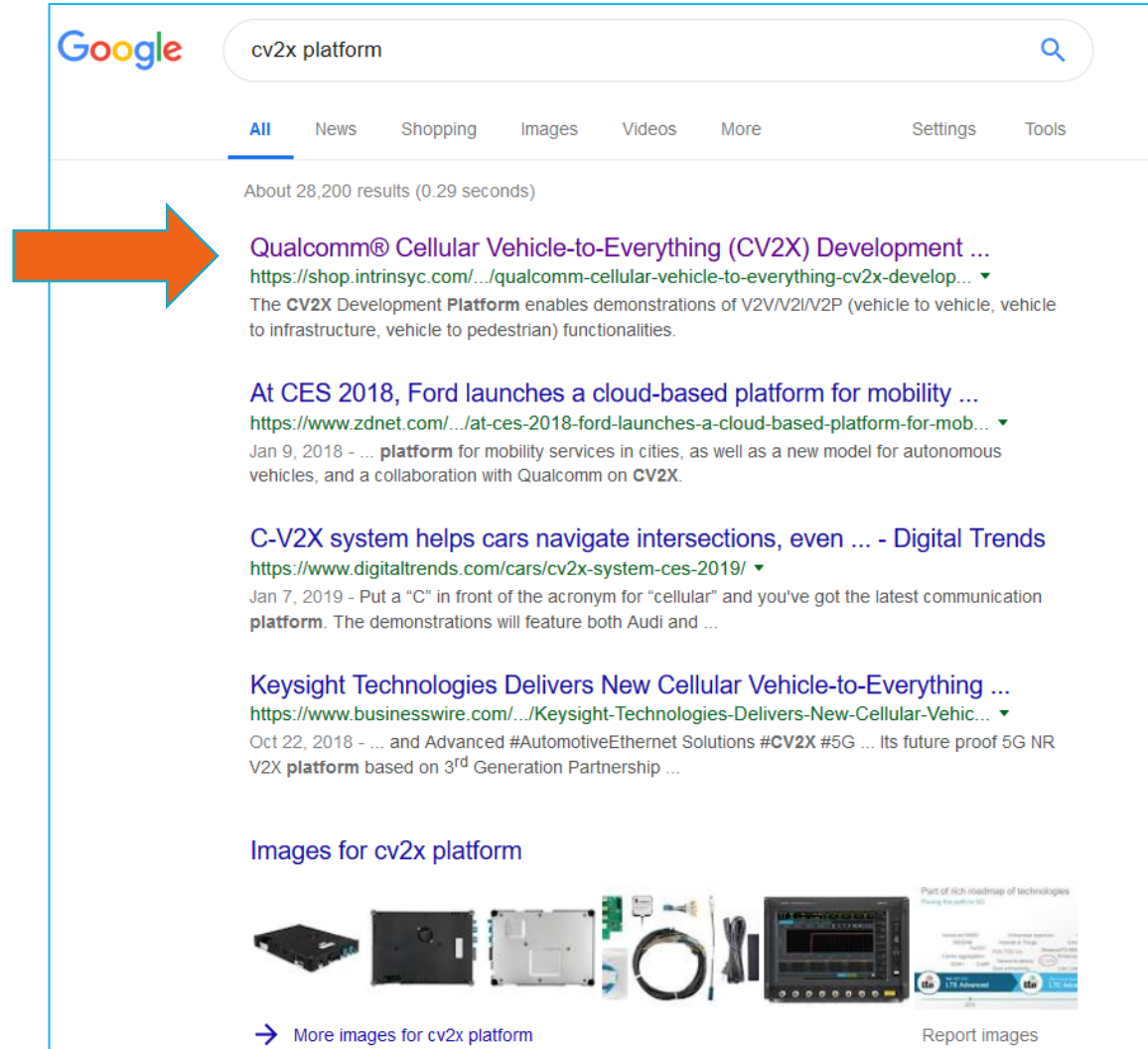
NV
November 28, 2019



Contents

- Order a CV2X platform
- Register to access documentation and software
- Access documentation and software
- Download and flash latest BSP
- Access the Savari stack
- Request Qualcomm tools
- Contact helpdesk

Search for CV2X platform



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All News Shopping Images Videos More Settings Tools

About 28,200 results (0.29 seconds)


Qualcomm® Cellular Vehicle-to-Everything (CV2X) Development ...
<https://shop.intrinsyc.com/.../qualcomm-cellular-vehicle-to-everything-cv2x-develop...>
The CV2X Development Platform enables demonstrations of V2V/V2I/V2P (vehicle to vehicle, vehicle to infrastructure, vehicle to pedestrian) functionalities.

At CES 2018, Ford launches a cloud-based platform for mobility ...
<https://www.zdnet.com/.../at-ces-2018-ford-launches-a-cloud-based-platform-for-mob...>
Jan 9, 2018 - ... platform for mobility services in cities, as well as a new model for autonomous vehicles, and a collaboration with Qualcomm on CV2X.

C-V2X system helps cars navigate intersections, even ... - Digital Trends
<https://www.digitaltrends.com/cars/cv2x-system-ces-2019/>
Jan 7, 2019 - Put a "C" in front of the acronym for "cellular" and you've got the latest communication platform. The demonstrations will feature both Audi and ...

Keysight Technologies Delivers New Cellular Vehicle-to-Everything ...
<https://www.businesswire.com/.../Keysight-Technologies-Delivers-New-Cellular-Vehic...>
Oct 22, 2018 - ... and Advanced #AutomotiveEthernet Solutions #CV2X #5G ... Its future proof 5G NR V2X platform based on 3rd Generation Partnership ...

Images for cv2x platform



→ More images for cv2x platform Report images

Order the CV2X platform from shop.intrinsyc.com



← → ↻ <https://shop.intrinsyc.com/products/qualcomm-cellular-vehicle-to-everything-cv2x-development-platform>

INTRINSYC All Products Order Status Store FAQ Contact Sign In Return To Home 1

Qualcomm® Cellular Vehicle-to-Everything (CV2X) Development Platform

Qualcomm Technologies, Inc.
QC-V2X-00005

In stock. Ships in 3 - 5 days. All orders subject to approval process.

\$3,300.00

CV2X or Cellular Vehicle to Everything is the latest, cutting-edge technology from Qualcomm Technologies, Inc. (QTI) aimed at collision avoidance and value-added services. CV2X will enable vehicles to communicate critical messages with everything around them, including other vehicles and infrastructure.

The CV2X Development Platform enables demonstrations of V2V/V2I/V2P (vehicle to vehicle, vehicle to infrastructure, vehicle to pedestrian) functionalities. functionality is implemented by the telematics control unit (MDM9250 CCARD) - ordered separately. V2V (vehicle to network) functionality is implemented by the CV2X Development Platform. The CCARD and CV2X Development Platform units communicate with each other via an Ethernet RJ-45 connection.

The CV2X Development Platform's major features include:

- CV2X 3GPP single channel radio
- 2.4 GHz Wi-Fi 802.11n connectivity
- GNSS supporting QDR3 (Qualcomm dead reckoning) for 10 Hz augmented location fixes
- 3x CAN interfaces to access vehicle data information
- HSM for storing private keys and signing ITS messages
- 1x 1000Base-T Ethernet using an RJ-45 connector
- USB 3.0 ports for debugging on both the MDM9150 and APQ8096AU modules
- 1x USB 2.0 host port on the APQ8096AU module
- The CV2X module RFE supports the following bands: □ B46D: 5725-5825 MHz □ B47: 5850-5925 MHz
- Computing module (APQ8096AU) to run the ETSI and/or WAVE + SAE, China-SAE ITS stack

ADD TO CART



Accept terms & conditions and checkout

The screenshot shows the Intrinsic shopping cart page at <https://shop.intrinsic.com/cart>. The page features the Intrinsic logo and navigation links (All Products, Order Status, Store FAQ, Contact, Sign In, Return To Home). The cart contains one item: Qualcomm® Cellular Vehicle-to-Everything (CV2X) Development Platform, priced at \$3,300.00 USD. The subtotal is also \$3,300.00 USD, excluding tax and shipping. A red note states: "Please include your Tax ID below if shipping to the USA". There is a text input field for the TAX ID and an ORDER NOTES field. A prominent orange arrow points to the "CHECKOUT" button. Below the checkout button is a "Continue Shopping" link. At the bottom, there are two radio buttons: "I ACCEPT" (selected) and "I DO NOT ACCEPT". An orange arrow points to the "I ACCEPT" radio button. Below the radio buttons is a section titled "Development Platform License" with a scrollable area containing the license terms and conditions.

Complete customer information and shipping address

https://shop.intrinsyc.com/828762/checkouts/cfae7952a618ac113301b3be4206f8b6?_ga=2.49061733.2136704212.1549916810-3...

Intrinsyc Technologies Corporation

Cart > Customer information > Shipping method > Payment method

Contact information Already have an account? Log in

Email

Keep me up to date on news and exclusive offers

Shipping address

First name Last name

Company

Address

Apartment, suite, etc. (optional)

City

Country Province Postal code

Phone

Save this information for next time

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Qualcomm® Cellular Vehicle-to-Everything (CV2X) Development Platform \$3,300.00

Discount code

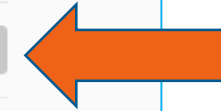
Subtotal \$3,300.00

Shipping Calculated at next step

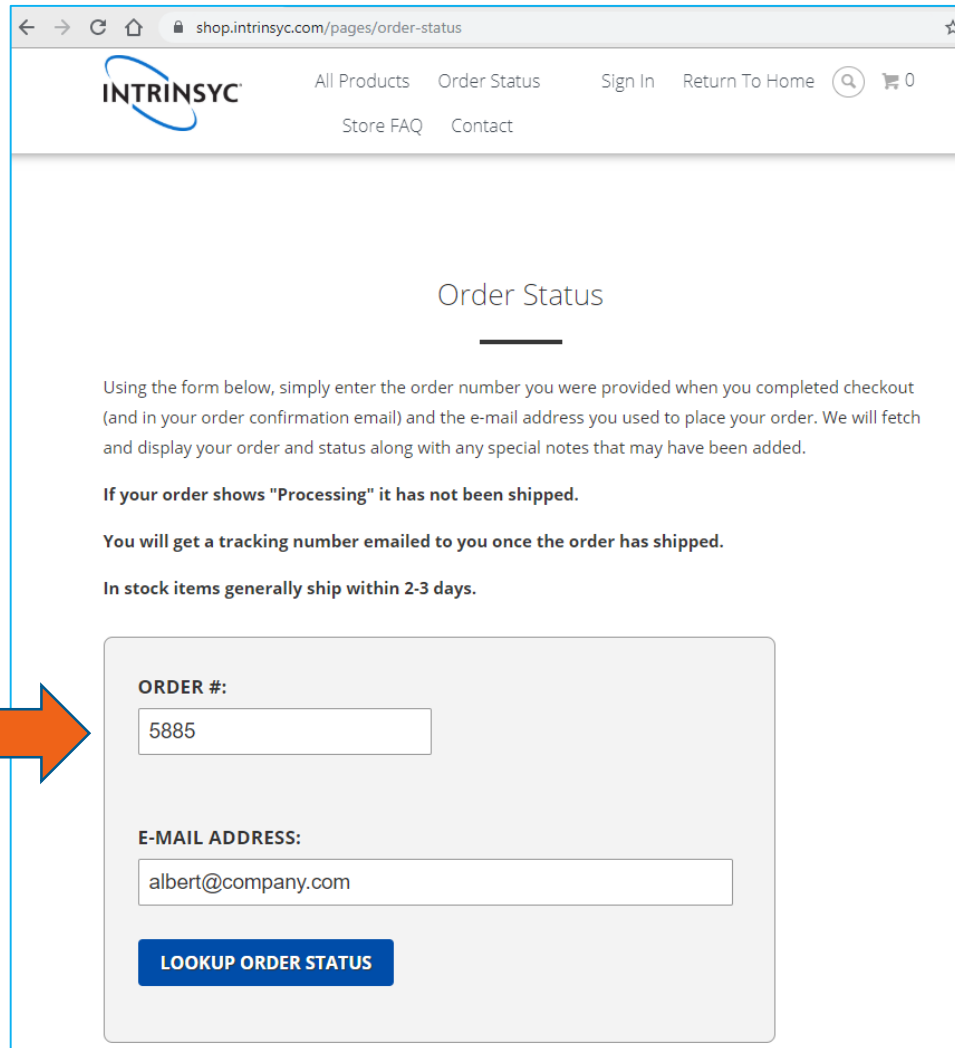
Taxes \$396.00

Total USD **\$3,696.00**



Enter coupon code if any



Checking order status at shop.intrinsyc.com/pages/order-status



shop.intrinsyc.com/pages/order-status

INTRINSYC All Products Order Status Sign In Return To Home   0

Store FAQ Contact

Order Status

Using the form below, simply enter the order number you were provided when you completed checkout (and in your order confirmation email) and the e-mail address you used to place your order. We will fetch and display your order and status along with any special notes that may have been added.

If your order shows "Processing" it has not been shipped.

You will get a tracking number emailed to you once the order has shipped.

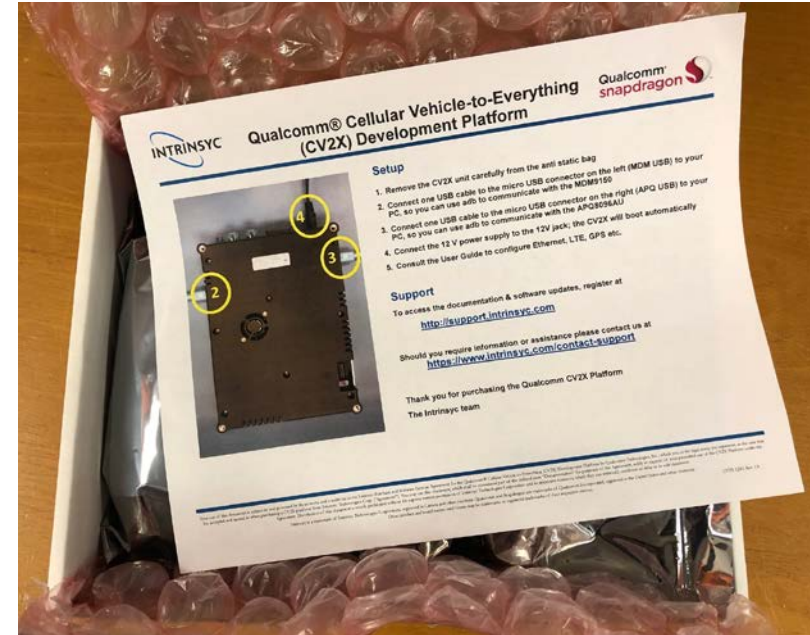
In stock items generally ship within 2-3 days.

ORDER #:

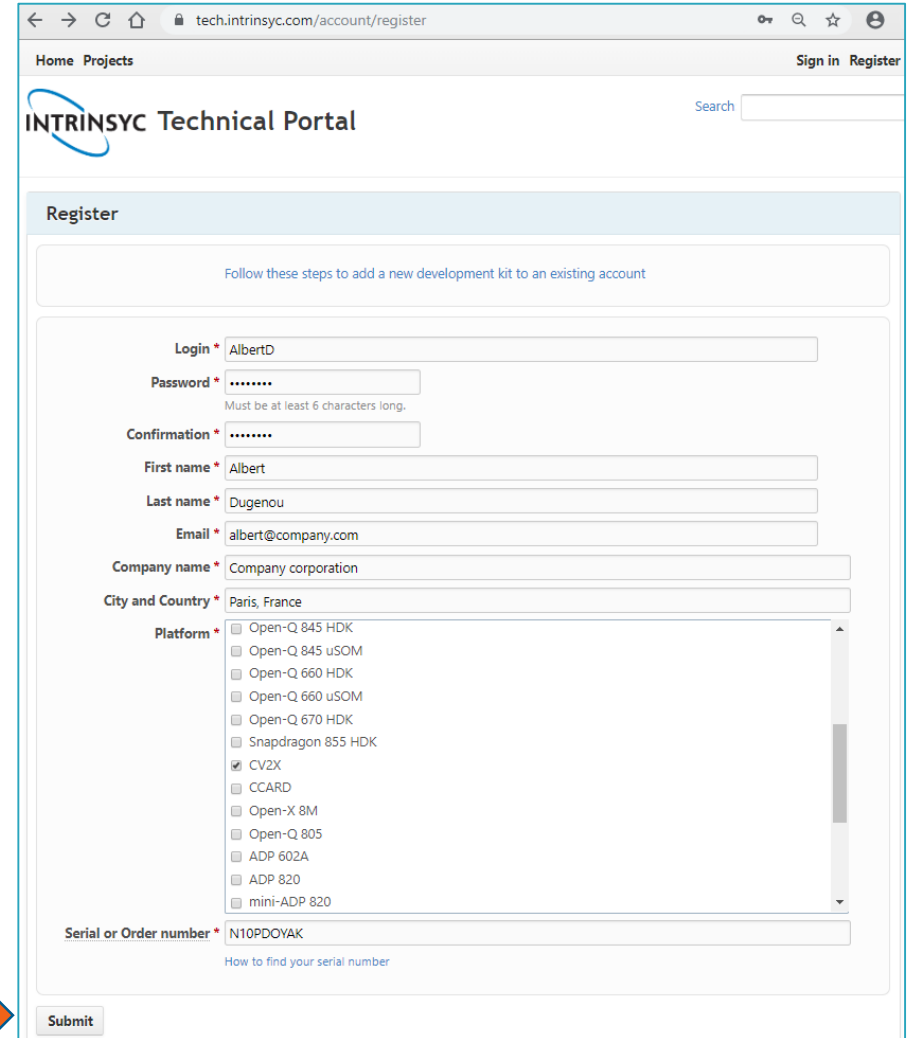
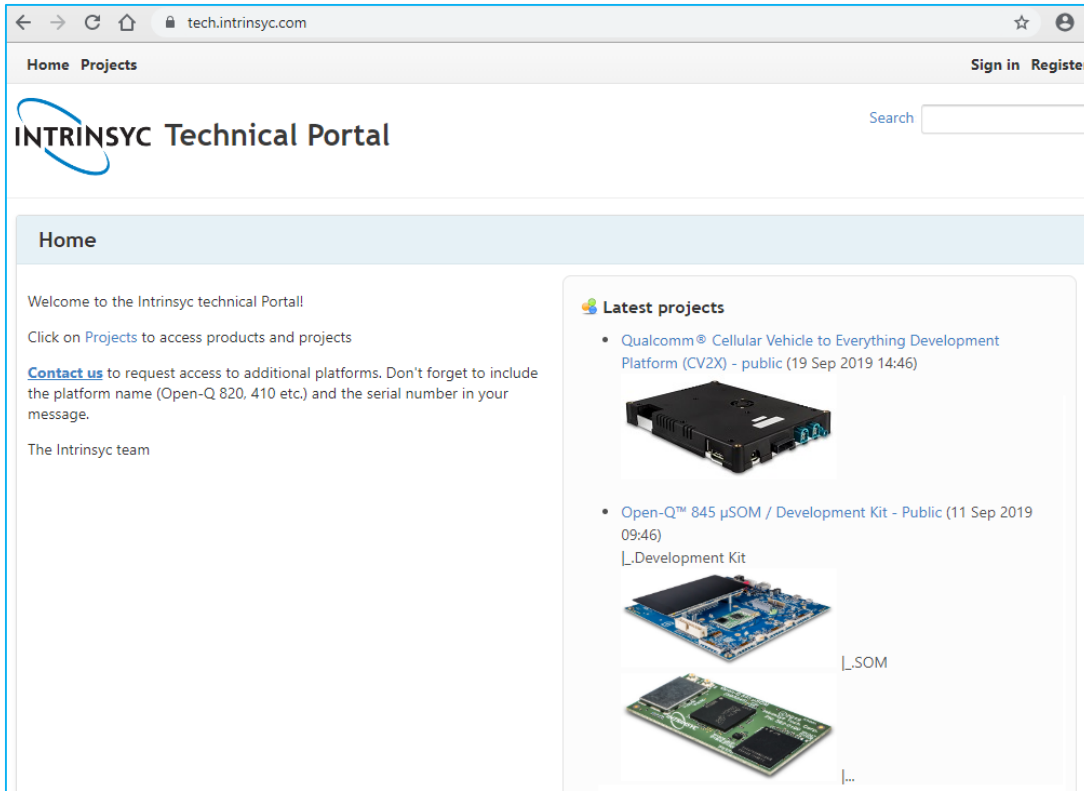
E-MAIL ADDRESS:

LOOKUP ORDER STATUS

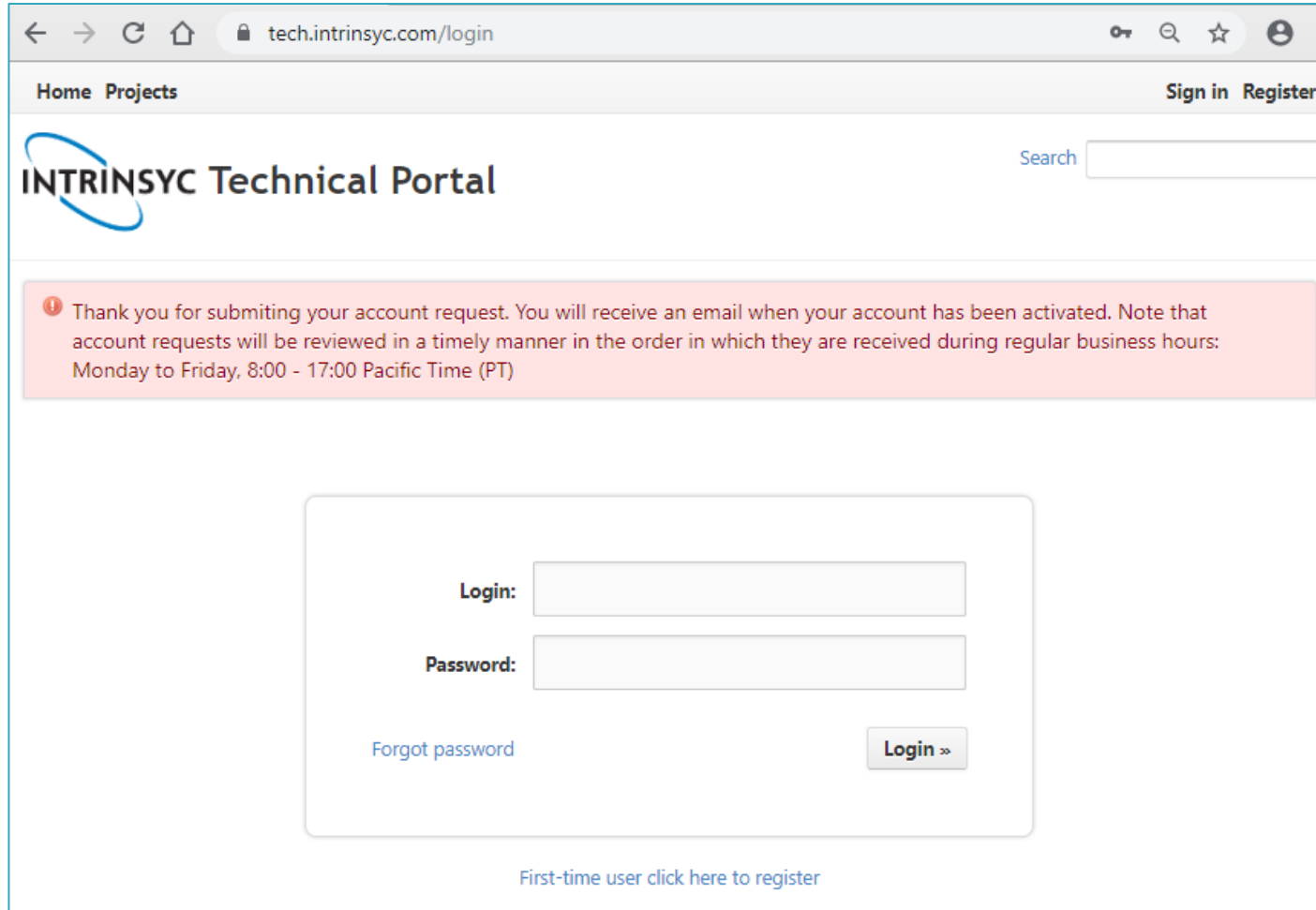
Customer receives the unit in a few days (country dependent)



Register at tech.intrinsyc.com to access documentation and software



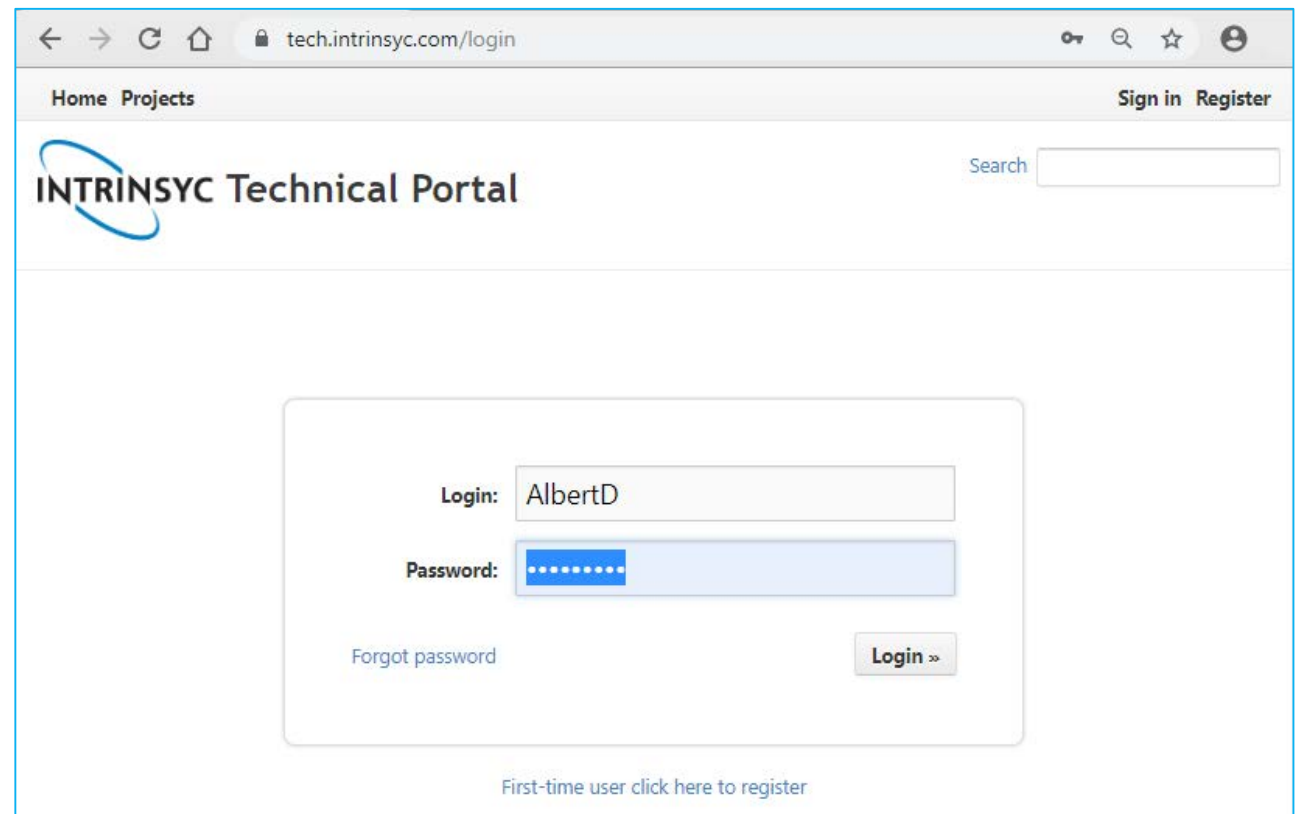
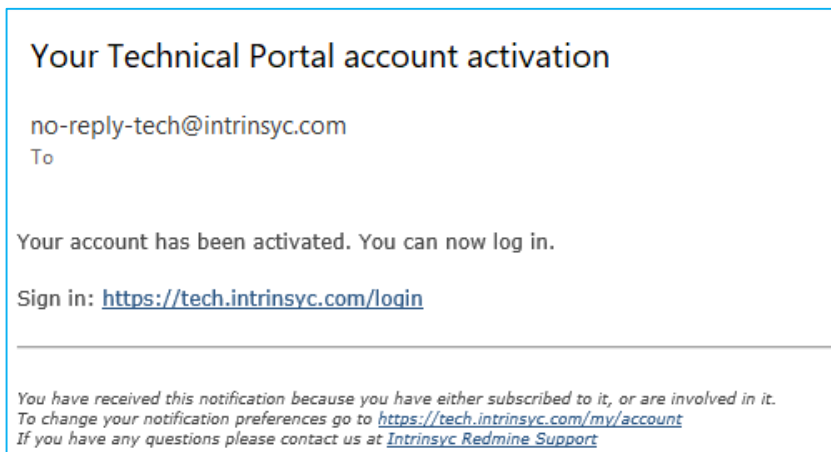
An account request is sent to Intrinsyc for validation & activation



The screenshot shows a web browser window at the URL `tech.intrinsyc.com/login`. The page header includes navigation links for `Home` and `Projects`, and user options for `Sign in` and `Register`. The main heading is `INTRINSYIC Technical Portal`, with a search bar to the right. A prominent pink message box contains the following text: `Thank you for submitting your account request. You will receive an email when your account has been activated. Note that account requests will be reviewed in a timely manner in the order in which they are received during regular business hours: Monday to Friday, 8:00 - 17:00 Pacific Time (PT)`. Below this, a login form is displayed with fields for `Login:` and `Password:`, a `Forgot password` link, and a `Login >>` button. At the bottom of the form area, there is a link: `First-time user click here to register`.

Once the account is activated by Intrinsyc

customer receives a confirmation email and then can log in to tech.intrinsyc.com



Home page after logging in to tech.intrinsyc.com

The screenshot shows the Intrinsic Technical Portal interface. At the top, there's a navigation bar with 'Home' and 'Projects' links, and a user status 'Logged in as AlbertD' with 'My account' and 'Sign out' options. The main header includes the 'INTRINSYC Technical Portal' logo and a search bar. A dropdown menu is open, showing options to 'Jump to a project...' and a selected item: 'Qualcomm® Cellular Vehicle to Everything Development Platform (CV2X)'. Below the header, the 'Home' section contains a welcome message, a 'Projects' link, and a 'Contact us' link. The 'Latest projects' section lists several projects, including 'Serial Number (23 Sep 2019)', 'Qualcomm® Cellular Vehicle to Everything Development Platform (CV2X) - public (19 Sep 2019)', and 'Open-Q™ 845 μSOM / Development Kit - Public (11 Sep 2019)'. Images of the hardware components are shown next to the project entries.

Select Qualcomm® Cellular Vehicle to Everything Development Platform (CV2X) from the dropdown menu

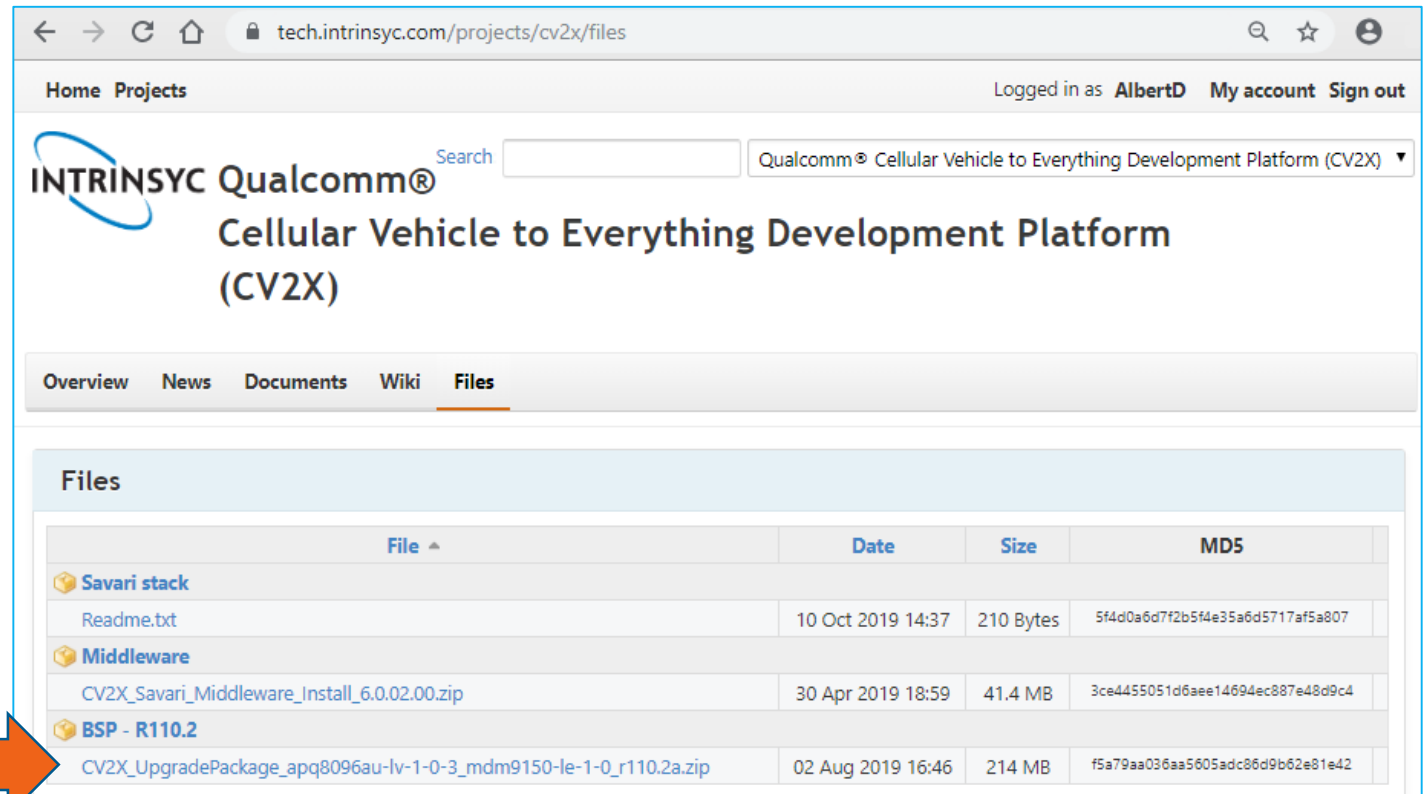
News, Documentation, Wiki and Software are then available

The image displays three overlapping browser screenshots of the INTRINSYC Qualcomm® Cellular Vehicle (CV2X) website. The leftmost screenshot shows the Overview page, featuring a product image and instructions to download the Savari ITS stack. The middle screenshot shows the Documents page, listing user guides such as the Quick Start Guide and Qualcomm CV2X Development Platform User Guide. The rightmost screenshot shows the Wiki page, detailing CV2X BSP features like Bluetooth, CAN, Ethernet, GPS, LIN, Cellular LTE, SD Card, Serial, WiFi, and CV2X. Below the Wiki page, a Files section contains a table of downloadable files.

File	Date	Size	MD5
Savari stack			
Readme.txt	10 Oct 2019 14:37	210 Bytes	5f4d0a6d7f2b5f4e35a6d5717af5a807
Middleware			
CV2X_Savari_Middleware_Install_6.0.02.00.zip	30 Apr 2019 18:59	41.4 MB	3ce4455051d6aee14694ec887e48d9c4
BSP - R110.2			
CV2X_UpgradePackage_apq8096au-lv-1-0-3_mdm9150-le-1-0_r110.2a.zip	02 Aug 2019 16:46	214 MB	f5a79aa036aa5605adc86d9b62e81e42

Download and flash the latest BSP

1. Go to the Files tab and download the latest CV2X_upgradePackage
2. Unzip it and follow the instructions from the Readme file
3. You will need to run the jflash script on MDM and APQ side

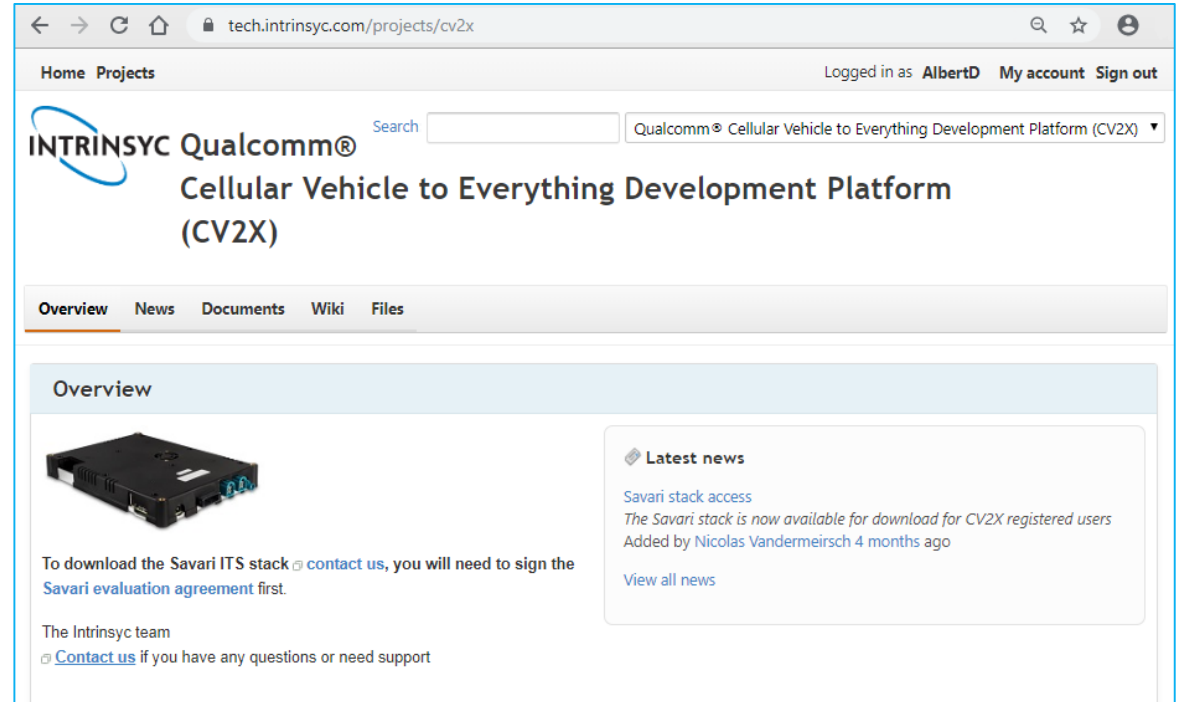


The screenshot shows the website interface for Qualcomm's CV2X development platform. The 'Files' tab is active, displaying a table of files. An orange arrow points to the file 'CV2X_UpgradePackage_apq8096au-lv-1-0-3_mdm9150-le-1-0_r110.2a.zip'.

File	Date	Size	MD5
Savari stack			
Readme.txt	10 Oct 2019 14:37	210 Bytes	5f4d0a6d7f2b5f4e35a6d5717af5a807
Middleware			
CV2X_Savari_Middleware_Install_6.0.02.00.zip	30 Apr 2019 18:59	41.4 MB	3ce4455051d6aee14694ec887e48d9c4
BSP - R110.2			
CV2X_UpgradePackage_apq8096au-lv-1-0-3_mdm9150-le-1-0_r110.2a.zip	02 Aug 2019 16:46	214 MB	f5a79aa036aa5605adc86d9b62e81e42

Access to the Savari stack

1. Contact helpdesk.intrinsyc.com and request access to the Savari stack
2. Intrinsyc will send you the Savari Evaluation License Agreement to sign
3. Once the request is approved, Intrinsyc send you a link to download the stack



Access to Qualcomm tools

1. Do you have a Qualcomm ID? If you don't create one at:
myaccount.qualcomm.com/static/registration/register.html
2. Contact helpdesk.intrinsyc.com and request access to the desired tools
 - Qualcomm eXtensible Diagnostic Monitor (**QXDM**) V2X_LITE
 - Qualcomm Log Analysis Tool (**QCAT**)
 - Qualcomm Product Support Tool (**QPST**)
3. Provide to Intrinsyc your full company name, address and point of contact (email) / Qualcomm ID
4. Intrinsyc will contact the Qualcomm tool team and once the request is approved, will send you activation keys and links to download the tools

Questions ?

helpdesk.intrinsyc.com

Thank You!

Design • Develop • Build



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