



# AvoKey Installation



AvoKey Hardware installation guide for

Titan Net Processor    All Processors

Avolites Kit number 8000-6101    Version 1.0

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V1.1 Split up per console and edits JBT Oct 2019

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## C O N T E N T S

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### IMPORTANT NOTES:

The document is divided into chapters depends on the console type or TNP and motherboard installed in the console or TNP.

Read the relevant section of this document at least once before starting the installation.

If in doubt contact your reseller or Avolites for support direct.

Perform the upgrade in an area with good work lighting and clear working space.

Have a small container handy to put screws in as you remove them.

Please note that it is possible that your console does not have a motherboard listed below, this can be because the original MB had failed, and the original MB was not available anymore. In this case contact Avolites direct to establish which kit you may need.

After the installation of the Avokey you can use the console as normal with software versions before V12. In order to use V12 you will need to download it and install as per

normal, this is then followed by the "authentication" process to licence the console or TNP for V12. This only needs to happen once.

See the V12 installation notes for further information

Console and TNP licenses are Hardware locked, therefore once authenticated against a specific console or TNP the dongle will only work in that product.

## 1. Safety notice

### Before you open the TNP



Disconnect the TNP from the Mains supply and other electrical connections

Observe anti-static measures by either using an anti-static strap connected to the console or by touching the internal metal PSU housing when working inside the console like connecting the AvoKey

## 2. Titan Net Processor (TNP)

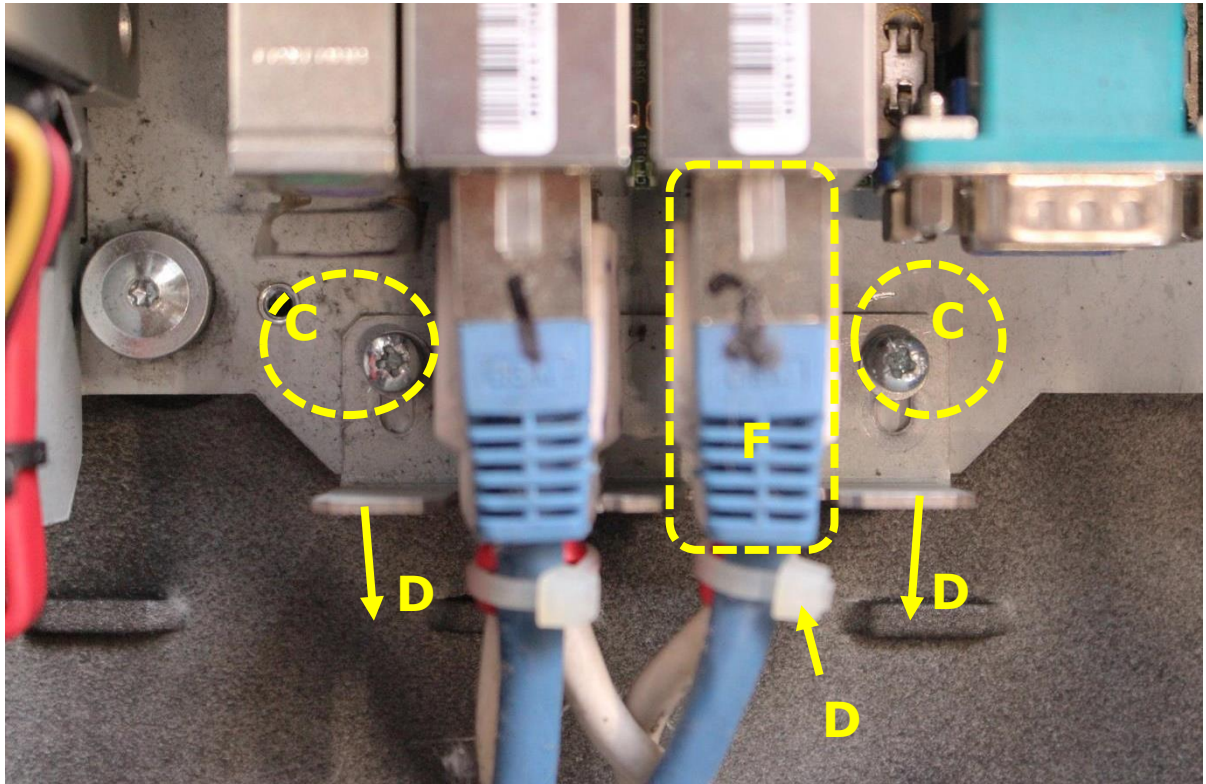
**Assure that the TNP is not connected to the mains supply**

- A. Remove the lid by removing 3x M4x8 screws with cap washers on each side and the 2x M3 CSK screws on top of the lid and retain all screws
- B. Take the lid off and unplug lid earth wire



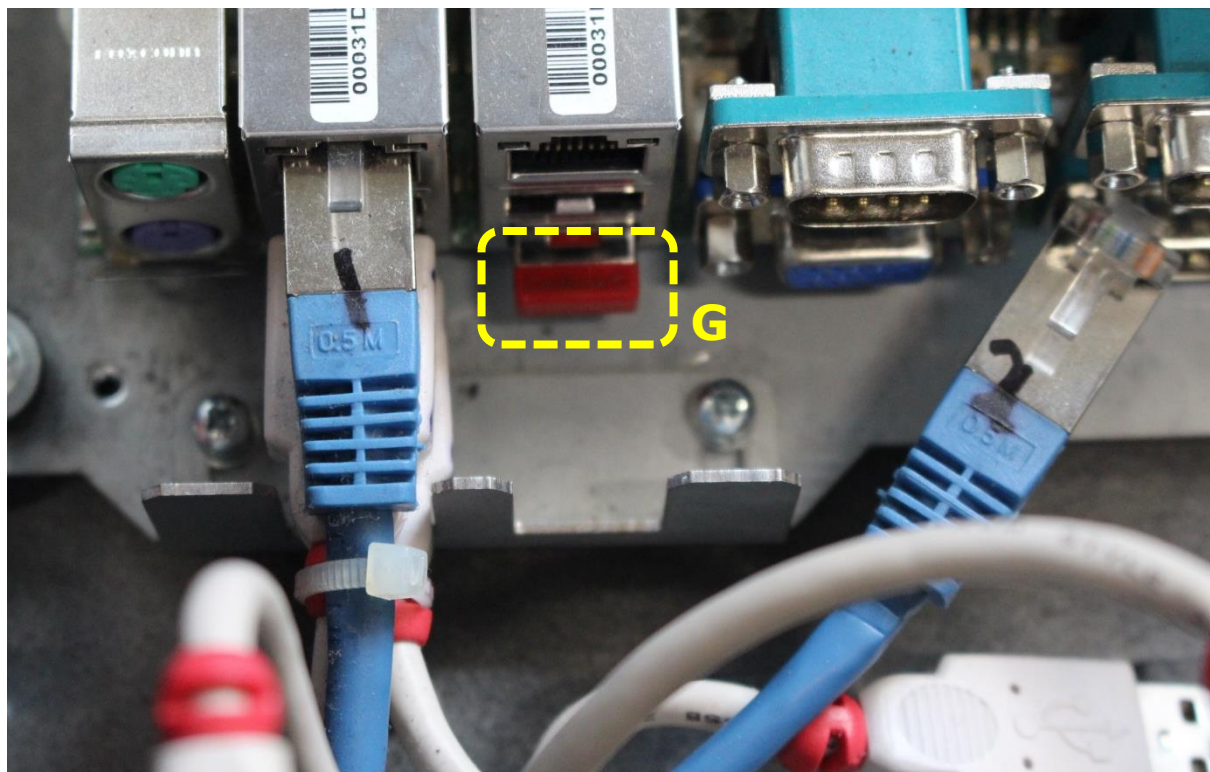
## 2.1 TNP with Commell LV-67H (TNP-00001 – TNP-00100)

- C. Loosen the two screws marked with C below
- D. Push the USB retention bracket back following the arrows (marked with D)
- E. Cut the cable tie marked with E
- F. Unplug the Ethernet-2 cable then unplug the U-USB cable below (F)

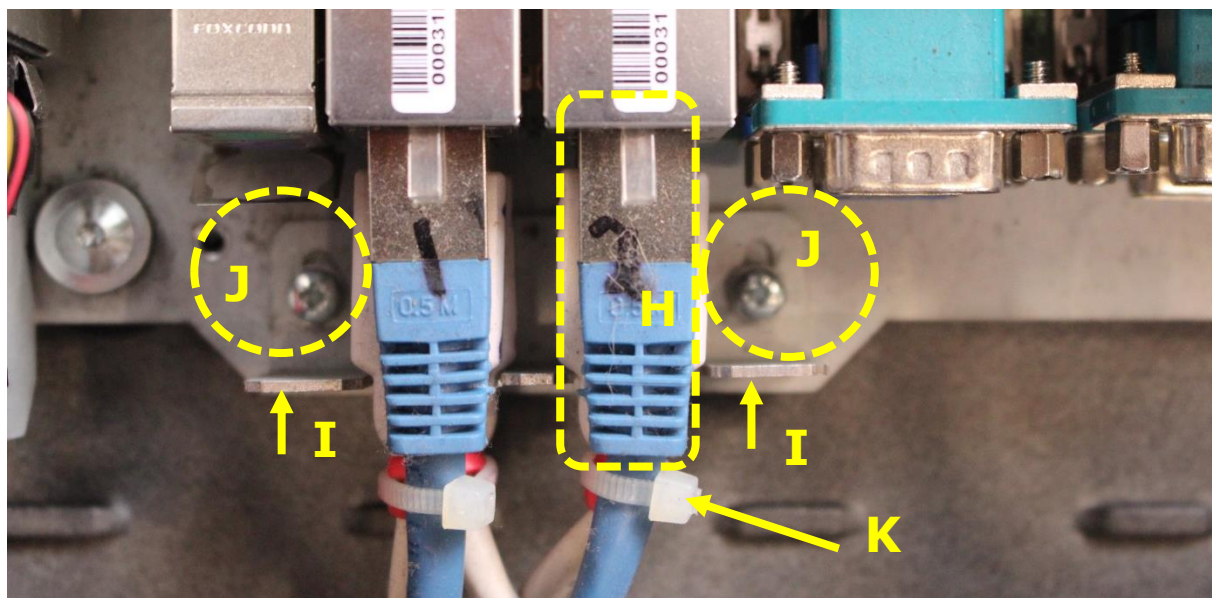


- G. Plug the AvoKey stick into the bottom USB port





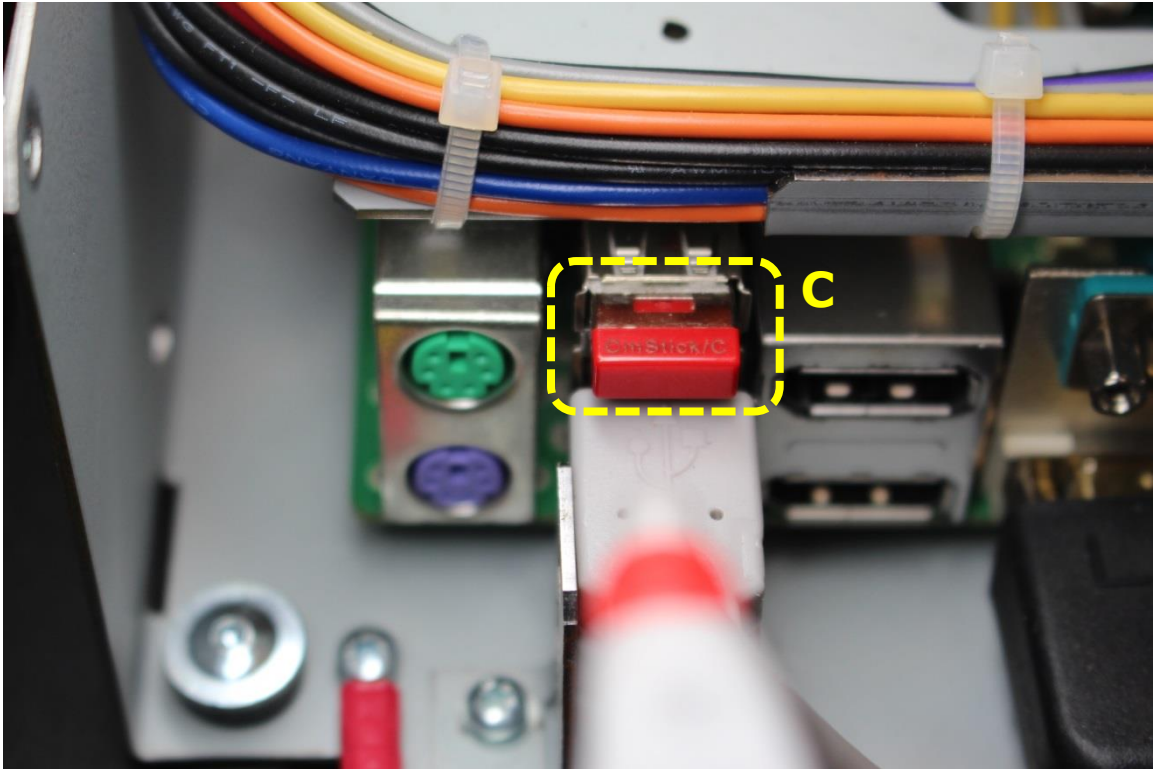
- H. Plug the U-USB cable back into the top USB socket then refit the Ethernet-2 cable
- I. Push the USB retention bracket back to the original position (arrows)
- J. Tighten the two screws marked J
- K. Cable-tie the Ethernet cable and USB cable together



- L. Re-connect the Lid earth wire and refit the Lid
- M. Secure with the 3x M4x8 screws with cap washers on each side and the 2x M3 CSK

## 2.2 TNP with Fujitsu D3243 or Fujitsu D3633 (TNP-00101 – onwards)

C. Connect the Avokey to the top USB port as show below



D. Re-connect the Lid earth wire and refit the Lid

E. Secure with the 3x M4x8 screws with cap washers on each side and the 2x M3 CSK

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### 3. Relicensing Versions before V12

You will not need to re-licence the software if the version is before V12.

### 4. V12 installation and authentication

To install V12, download and follow the V12 installation notes from the Avolites website  
After installation an authentication step is required to licence the AvoKey.

### 5. Letting us know

We care about our products, and therefore we want to know as much as we can about each console that we have made. This upgrade is major and we want to keep track of that. So email us the details as listed below so we can update our records.

Further if you have any comments about this document or procedure let us know as well so we can improve where needed.

Send the email to [repairs@avolites.com](mailto:repairs@avolites.com)

Data to include:

- Console serial number
- client name if known
- your name or company name
- Date of upgrade