

Quick-Reference for Convergence and FMC Products

Connectors reference:

	Network (left to right):	Console:	additional:
Convergence 650	4x LAN1 (switch), LAN2, WAN	RS232 (RJ45, Adapter packaged)	2x USB
Convergence 1600	WAN, LAN1, LAN2	RS232, VGA, PS/2 (rear)	2x USB (rear) 1x USB (front)
Convergence/FMC 2xxx	LAN1, LAN2, DMZ, WAN	RS232 (front)	2x USB
Convergence/FMC 3xxx	WAN, 2.LAN, 1.LAN, DMZ	RS232 (front)	2x USB
Convergence/FMC 4xxx	LAN1, LAN2, DMZ, WAN	RS232 (front, RJ45, Adapter packaged), VGA (rear)	2x USB 2x mini GBIC
Convergence 27xx/33xx	LAN1 to LAN4 (ETH1 to ETH4), WAN (ETH5)	RS232 (front)	1x USB optional rear Interface cards

Configuration: First steps

There are several ways to connect to the Convergence in order to configure it.

Web interface via network

The most convenient and simple way is to connect via the network and use the configuration web interface.

By default the Convergence's LAN interface 1 is configured to the

IP address 10.0.0.205, netmask 255.255.255.0.

Connect a computer to the LAN interface and configure its IP address to another IP address in the same network (e.g. 10.0.0.2, netmask 255.255.255.0).

You can now reach the web interface with your favourite browser at

https://10.0.0.205

for Convergence 650, 27xx and 33xx use:

http://10.0.0.205

A login prompt will ask you for the preset default username and password: **"admin" / "sesam"**.

Once you are logged in you may choose between the

Setup Wizard which covers the most important settings and the Expert Mode where you can configure all functionalities of the Convergence.

Please change the credentials as soon as possible to ensure security of your Convergence. You can do so in the web interface at:

> System > Change Password

Configuration via shell

This is recommended for experienced users only or for resetting the Convergence to its factory defaults.

In any case login as

user "root" with password "sesam"

Secure shell (SSH)

The same network setup as for the web interface, with the difference that a connection is established with a secure shell client to 10.0.0.205, port 22.

Serial console

Connect a standard ASCII terminal or a PC via a null-modem cable to the Convergence's serial RS232 interface. On the PC use a terminal program (e.g. HyperTerminal on Windows).

Settings: 9600 bps, 8bit, Parity: none, Stop bits: 1

Directly connect a keyboard and screen

Only possible with the Convergence of the 1xxx and 4xxx series.

You will be presented with a login prompt of a standard Unix terminal.

Preset configuration:

Voice-over IP

All Convergence products support Voice-over IP (SIP) and are pre-configured to accept connections on LAN1 from SIP phones and to allow for internal calls.

Factory reset / Password reset:

Warning! A factory reset will overwrite all your settings!

For security reasons, both the password reset and factory reset can only be performed via the local console (VGA / Keyboard) or via RS232 console.

Thus, you first need to connect either a VGA screen and a keyboard (PS/2 or USB) to your Convergence, or connect via the RS232 port. Reboot the Convergence by logging in as root and typing "reboot". Press and hold the shift key until you see a prompt like this one:

```
SYSLINUX 1.62 0x3e713b13 Copyright (C)
1994-2001 H. Peter Anvin
boot:
```

On RS232 this prompt will appear automatically and stay for 5 seconds before the Convergence boots up.

Now enter either "passwordreset" or "factoryreset".

With a "passwordreset" your Convergence will boot up normally but with the password reset to the default password. In case of a "factoryreset" your Convergence will boot up, set all settings to the factory defaults and reboot.

Update image reference:

Comdasys will publish regular system updates for their delivered systems. These can be downloaded from:

<ftp://ftp.comdasys.com/pub/updates/Convergence/>

Caution! please select the appropriate update image as follows:

Find the white product label on the bottom of your Convergence and note the Part-Number. Its pattern is:

CSYSxxxx-yyy-zz-a-bbb

whereas xxxx is the product number and yyy is the hardware revision.

Note: if bbb is not "RET" you have an OEM product. Please refer to "Specialities" below how to handle updates.

The filename of the update image has the following pattern:

convergence<xxxx>[a]-<cccc>.update

whereas <xxxx> is the product number and <cccc> is the release number.

Choose the appropriate image according to the product number.

Specialities:

- **Convergence 1600** always use:

"convergence1600a-r<cccc>.update"

- **Convergence/FMC 2xxx** with hardware revision 001 and 002 use:

"convergence2<xxx>-r<cccc>.update"

- **Convergence/FMC 2xxx** with hardware revision 003 or greater use:

"convergence2<xxx>a-r<cccc>.update"

- **OEM customers:** please ask your contact person for details about update images and the update process.

Update process:

- Download of the update and Readme (if applicable) file for the desired version and store it on your PC. The current version of the Convergence can always be found in the right bottom corner of the web interface.
- Selection of the downloaded update file in the web interface.
- Clicking the button **Upload**.
- The next actions (possible reboot, additional configuration steps) can be found in the enclosed Readme file. If there is none, no special considerations have to be taken and you can simply reboot the system.

After the update process, there will be no automatic reboot or restart of services. In order for the Update to take effect, you will need to reboot your Convergence system. You can however perform this reboot at a later time. Having only uploaded the update image will have no effect on the running system until reboot.

Further documentation:

More detailed documentation can be found under:

<ftp://ftp.comdasys.com/pub/documentation/>