

INSTALL REMOTE IT INSTRUCTION ON E300 MINER

1. Create remote IT ACCOUNT

Step1: accessing: <https://www.remote.it/>

Step2: sign up an account

2. Installing connectd_installer ON e300

```
curl -LkO https://raw.githubusercontent.com/remotelit/installer/master/scripts/auto-install.sh
```

```
chmod +x ./auto-install.sh
```

```
sudo ./auto-install.sh
```

```
sudo connectd_installer
```

```
ubuntu@arm:~$
ubuntu@arm:~$
ubuntu@arm:~$
ubuntu@arm:~$ curl -LkO https://raw.githubusercontent.com/remotelit/installer/master/scripts/auto-install.sh
  % Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
                                 Dload  Upload   Total   Spent    Left   Speed
100 12130  100 12130    0     0  8703      0  0:00:01  0:00:01 --:--:-- 8701
ubuntu@arm:~$
ubuntu@arm:~$
ubuntu@arm:~$ sudo chmod 777 auto-install.sh
[sudo] password for ubuntu:
Sorry, try again.
[sudo] password for ubuntu:
Sorry, try again.
[sudo] password for ubuntu:
ubuntu@arm:~$
ubuntu@arm:~$
ubuntu@arm:~$ sudo ./auto-install.sh
The connectd package has been deprecated. We do not recommend this package for production.
Please find the new instructions for single-device installation at:
https://link.remote.it/support/rpi-linux-quick-install

To prepare an OS image for mass production that will register a pre-defined set of Remote.It
Services, please see: https://link.remote.it/docs/oem-overview .

Press any key to continue. Press ^C to terminate this script.
1

curl found
*****
remote.it platform and binary tester version 2.6.39
Current directory /home/ubuntu
Wed Apr 12 11:02:36 UTC 2023
*****
Linux arm 5.4.0-xilinx-v2020.2 #1 SMP PREEMPT Sun Mar 6 15:10:02 UTC 2022 armv7l armv7l armv7l GNU/Linux
Detected architecture is arm
/usr/bin/dpkg
Debian OS detected.
armhf architecture detected.
filename connectd_2.6.39_armhf.deb
filepath https://github.com/remotelit/installer/releases/download/v2.6.39/connectd_2.6.39_armhf.deb
(Reading database ... 33563 files and directories currently installed.)
Preparing to unpack connectd_2.6.39_armhf.deb ...
Unpacking connectd (2.6.39) over (2.6.39) ...
Setting up connectd (2.6.39) ...

=====
Run "sudo connectd_installer" to interactively install remote.it Services on this device.

See https://support.remote.it/hc/en-us/sections/360010786372-Using-the-connectd-package
for more information.
=====
```

```
ubuntu@arm:~$ sudo connectd_installer
```

```
remote.it connection installer Version: 2.6.39 lib_v2.6.29  
Modified: June 10, 2020 (library) April 24, 2021  
Build date: Fri Apr 30 16:04:42 UTC 2021  
curl with SSL support installed.
```

```
Checking the daemon for compatibility...
```

```
Using architecture arm-linaro-pi...
```

```
Checking your network for compatibility...
```

```
Network connection OK...
```

```
Your network is compatible with remote.it services.
```

```
***** Sign In Menu *****
```

- 1) Sign in to your remote.it account with username and password
- 2) Sign in to your remote.it account with access key and secret
- 3) Exit

```
*****
```

```
* To create a remote.it account, please visit      *  
* https://remote.it                               *  
*****
```

```
Choose a menu selection (1 - 3):
```

```
1
```

```
Please enter your remote.it Username (e-mail address):  
devdracaena@gmail.com
```

```
Please enter your remote.it password:
```

```
.
```

```
The Service configuration on this device does not match the remote.it  
account registered to devdracaena@gmail.com.
```

```
This can happen if you deleted a Device using the remote.it web portal  
in which case you should reset the configuration on this device to  
start over (option 1).
```

```
This can also happen if you logged into this script with an account  
other than the one used to configure the Services on this Device  
initially, in which case you should login with the proper account  
credentials to start over (option 2).
```

```
You can exit if you want to check the configuration before proceeding
```

Credentials to start over (option 2).

You can exit if you want to check the configuration before proceeding (option 3).

```
=====
1) Clear the configuration on this device.
2) Log in with a different account user name.
3) Exit
=====
```

Choose an option (1 - 3):

Choose an option (1 - 3):

1

enter 1

Are you sure you want to clear this device's configuration? [y/n]

y

Clearing configuration...

...
....

```
=====
Allocated UID: 80:00:00:00:01:28:8D:BC.
```

..

Enter a name for your device (e.g. my_Pi_001).

The Device Name identifies your device in the remote.it portal.
Your services will be grouped under the Device Name.

Only letters, numbers, underscore, space and dash are allowed.

E300DEVICE

name device

Registering E300DEVICE

.....

E300DEVICE

Registering E300DEVICE

.....

===== Installed remote.it Services =====

Service Name	Protocol	LAN Address	Port	Application

Device Name: E300DEVICE Platform: arm-linaro-pi
 Hardware ID: 42:e5:0e:76:80:88-Lhvye6aoMzfeJLFxuSVY

===== Main Menu =====

- 1) Attach/reinstall a remote.it Service to an application
- 2) Attach/reinstall a remote.it Service to a LAN application
- 3) Remove a remote.it Service from an application
- 4) Remove all remote.it Services, then exit
- 5) Exit

'application' is any TCP service (e.g. SSH, VNC, HTTP, etc.)
 running on this device. 'LAN application' is a TCP service
 running on another device on this LAN.

Choose a menu selection (1 - 5):

1

***** Protocol Selection Menu *****

- 1) SSH on port 22
- 2) Web (HTTP) on port 80
- 3) Secure Web (HTTPS) on port 443
- 4) VNC on port 5900
- 5) nxWitness on port 7001
- 6) Samba (SMB) on port 445
- 7) Remote Desktop (RDP) on port 3389
- 8) NextCloud on port 443
- 9) OpenVPN on port 1194
- 10) Custom (TCP)
- 11) Return to previous menu

You can change the port value during install

Choose a menu selection (1 - 11):

1

1 to enable ssh

The default port for SSH is 22.

Would you like to continue with the default port assignment? [y/n]

y

We will attach a remote.it Service to the following Application:

Choose a menu selection (1 - 11):

1

The default port for SSH is 22.

Would you like to continue with the default port assignment? [y/n]

y

We will attach a remote.it Service to the following Application:

Protocol: ssh

Port #: 22

.

....

=====

Allocated UID: 80:00:00:00:01:28:8D:C8.

..

Enter a name for this remote.it service (e.g. ssh-Pi).

This name will be shown in your remote.it Service List.

Only letters, numbers, underscore, space and dash are allowed.

e300-remotessh **name for your ssh**

.

Registering e300-remotessh

.....

===== Installed remote.it Services =====

Service Name	Protocol	LAN Address	Port	Application
e300-remotessh	SSH	localhost	22	OK: sshd

Device Name: E300DEVICE Platform: arm-linaro-pi
Hardware ID: 42:e5:0e:76:80:88-Lhvye6aoMzfeJLFxuSVY

===== Main Menu =====

```
===== Installed remote.it Services =====
Service Name | Protocol | LAN Address | Port | Application
-----
e300-remotessh | SSH | localhost | 22 | OK: sshd
-----
Device Name: E300DEVICE Platform: arm-linaro-pi
Hardware ID: 42:e5:0e:76:80:88-Lhvy6aoMzfeJLFXuSVY

===== Main Menu =====

1) Attach/reinstall a remote.it Service to an application
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3) Remove a remote.it Service from an application
4) Remove all remote.it Services, then exit
5) Exit

=====
'application' is any TCP service (e.g. SSH, VNC, HTTP, etc.)
running on this device. 'LAN application' is a TCP service
running on another device on this LAN.
=====
Choose a menu selection (1 - 5):
1

***** Protocol Selection Menu *****

1) SSH on port 22
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***** Protocol Selection Menu *****

- 1) SSH on port 22
- 2) Web (HTTP) on port 80
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- 11) Return to previous menu

You can change the port value during install

Choose a menu selection (1 - 11):

2

2 to enable your webservice

The default port for Web (http) is 80.

Would you like to continue with the default port assignment? [y/n]

y

We will attach a remote.it Service to the following Application:

Protocol: web

Port #: 80

.

....

=====

Allocated UID: 80:00:00:00:01:28:8D:D0.

..

Enter a name for this remote.it service (e.g. web-Pi).

This name will be shown in your remote.it Service List.

Only letters, numbers, underscore, space and dash are allowed.

E300-webservice

name your web service

Registering E300-webservice

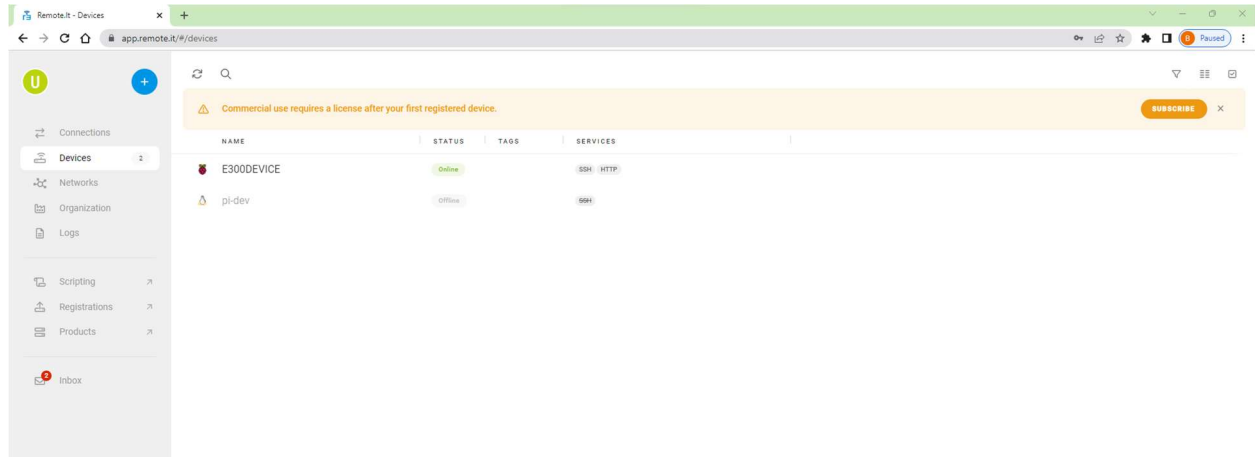
```
dracaena@dracaena-Default-string: /tools/Xilinx/Vivado/2021.2/bin
*****
You can change the port value during install
*****
Choose a menu selection (1 - 11):
2
The default port for Web (http) is 80.
Would you like to continue with the default port assignment? [y/n]
y
We will attach a remote.it Service to the following Application:
Protocol: web
Port #: 80
.
....
=====
Allocated UID: 80:00:00:00:01:28:8D:D0.
..
Enter a name for this remote.it service (e.g. web-Pi).
This name will be shown in your remote.it Service List.
Only letters, numbers, underscore, space and dash are allowed.
E300-webservice
.
Registering E300-webservice
.....

===== Installed remote.it Services =====
Service Name | Protocol | LAN Address | Port | Application
-----
e300-remotessh | SSH | localhost | 22 | OK: sshd
E300-webservice | HTTP | localhost | 80 | OK
-----
Device Name: E300DEVICE Platform: arm-linaro-pi
Hardware ID: 42:e5:0e:76:80:88-Lhvye6aoMzfeJLFxuSVY
DONE

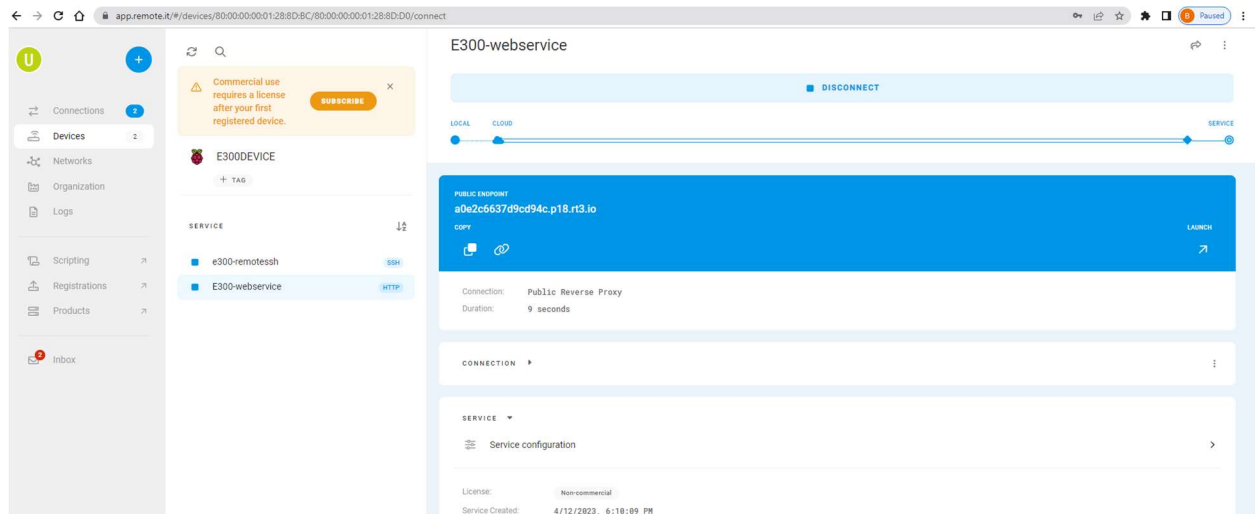
===== Main Menu =====
1) Attach/reinstall a remote.it Service to an application
```


Get remoteIT web/ssh session

Login again <https://app.remote.it/> with step 1 account



Click device name, assume that your device name is "E300DEVICE" as our sample




That all, now you can get ssh or webgui

Remote-It - Devices - E3000DEVIC x

Osprey Electronics | E300 Miner x

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OSPREY ELECTRONICS | E300 MINER

FPGA status/settings

Fans speed adjustments

Miner >

Update firmware

System settings >

FPGA information

Index	Status	vccInt (mV)	vccHBM(mV)	Board Temperature °C)	Chip Temperature °C)	Maximum Temperature °C)	Chip type
0	Power on	645	1095	31	53	90	VU35P
1	Power on	645	1102	30	51	90	VU35P
2	Power on	643	1090	30	51	90	VU35P_CIV

Fans information

Currently level : 8

Fans level

Capacity

10 100%

9 90%

8 80%

7 70%

6 60%

5 50%

4 40%

3 30%

2 20%

1 10%

Voltage settings (vccInt & vccHBM)

Select FPGA : All FPGA(s) ▼

vccInt for FPGAs in mV (600mV - 950mV) :

vccHBM for FPGAs in mV (1000mV - 1300mV) :

Change Voltage

Maximum temperature settings

Select FPGA : All FPGA(s) ▼