

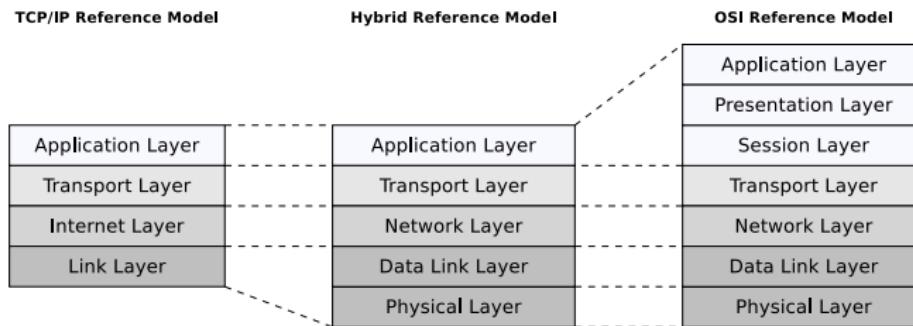
Network Components

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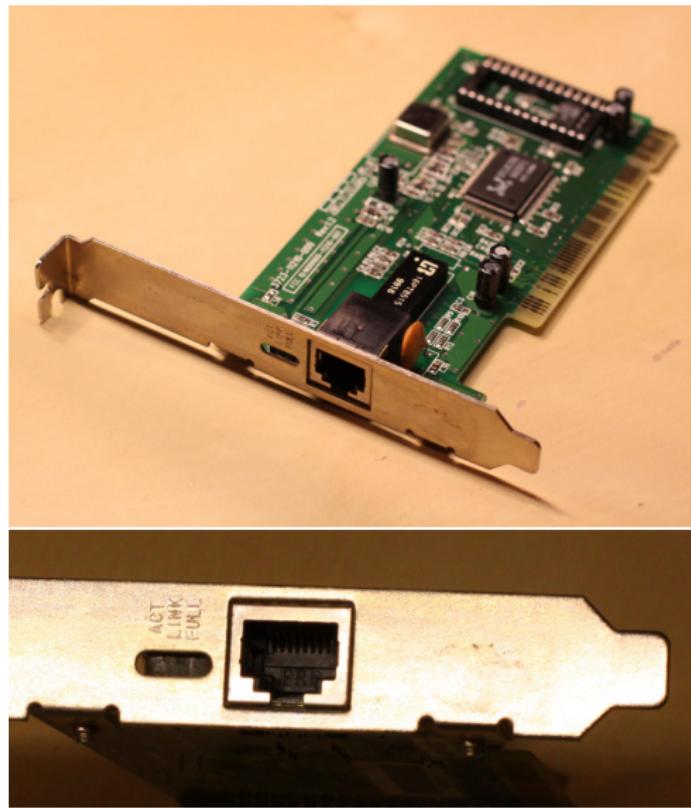
Task

- The slides of this slide set contain photos of various network components
- Try to assign the network components to the layers in the hybrid reference model





Component 1



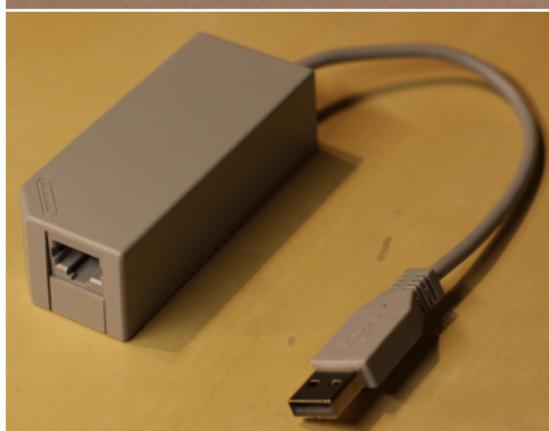


Component 2





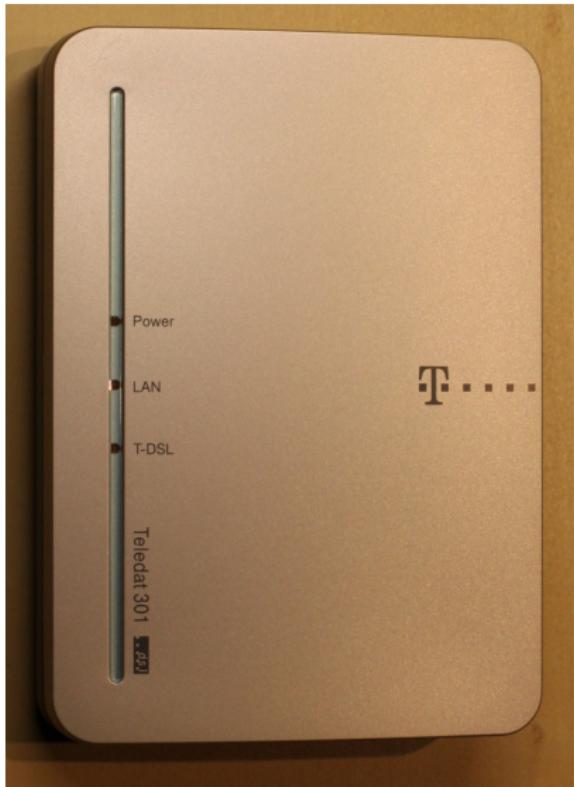
Component 3



Component 4



Component 5



Component 6

A screenshot of a web browser window titled 'Siemens - Google Chrome'. The address bar shows the URL '192.168.1.100/html/CurrentStatus.html'. The page itself has a blue header with the 'SIEMENS' logo and 'WLAN Bridge' text. Below the header is a navigation menu with four items: 'Current Status', 'Setup Wizard', 'Advanced Setup', and 'Statistics'. The main content area is titled 'Current Status'. It contains two tables of information: 'Device IP Information' and 'WLAN 802.11b/g Status'.

Device IP Information		WLAN 802.11b/g Status	
MAC Address	» 00:1d:6a:38:61:7e	ESSID	» ALICE-WLAN
Get IP From	» Manual	Channel	» 11
IP Address	» 192.168.1.100	Rate	» Auto
Subnet Mask	» 255.255.255.0	Security Level	» Open System
Default Gateway	» 192.168.1.1	Encryption Enabled	

A photograph of the rear panel of the Siemens WLAN Bridge W-011. It features a metal faceplate with several ports and indicators. From left to right, there is an 'ATH' button, a 'Reset' button, an 'Ethernet' port (RJ45), a '5V DC 2A' power input port, and a small circular 'Power' LED.



Component 7



Component 8

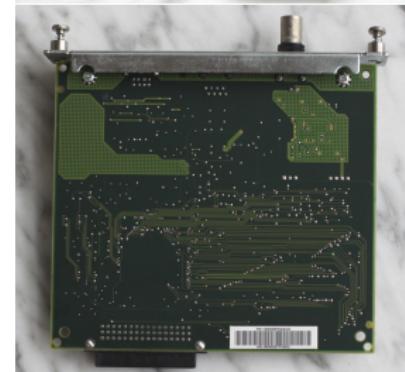


Component 9

```
# telnet 10.0.0.5  
Trying 10.0.0.5...  
Connected to 10.0.0.5  
Escape character is '^]'.  
  
HP JetDirect
```

```
Please type "?" for HELP, or "/" for current settings
```

```
> /  
==JetDirect Telnet Configuration===  
Firmware Rev. : A.08.49  
MAC Address : 08:00:09:7f:56:63  
Config By : USER SPECIFIED  
IP Address : 10.0.0.5  
Subnet Mask : 255.255.255.0  
Default Gateway : 10.0.0.1  
Syslog Server : Not Specified  
Idle Timeout : 90 Seconds  
Set Cmnty Name : Not Specified  
Host Name : LASERJET  
DHCP Config : Disabled
```





Component 10



Component 11



0022435567E7

Component 12

```
$ telnet 192.0.0.192  
Trying 192.0.0.192...  
Connected to 192.0.0.192.  
Escape character is '^]'.  
  
HP JetDirect
```

```
Please type "?" for HELP, or "/" for current settings  
> /
```

```
==JetDirect Telnet Configuration==
```

```
Firmware Rev. : F.08.20  
MAC Address : 00:30:6e:fc:97:c8  
Config By : Default IP
```

```
IP Address : 192.0.0.192  
Subnet Mask : Not Specified  
Default Gateway : 192.0.0.192  
Syslog Server : Not Specified  
Idle Timeout : 90 Seconds  
Set Cmnty Name : Not Specified  
Host Name : Not Specified
```

```
DHCP Config : Enabled  
Passwd : Disabled  
IPX/SPX : Enabled  
DLC/LLC : Enabled  
Banner page : Enabled
```

S/N:SG421BB4AA
AD:00306EFC97C8



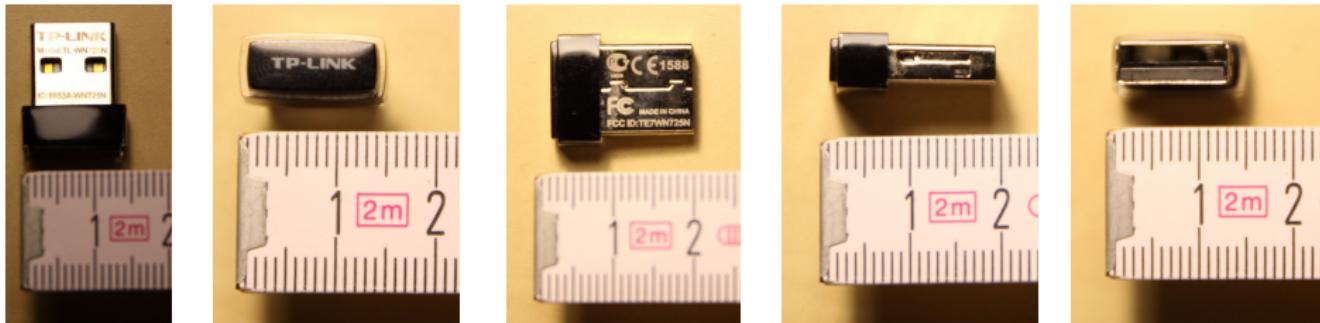
Component 13



Component 14



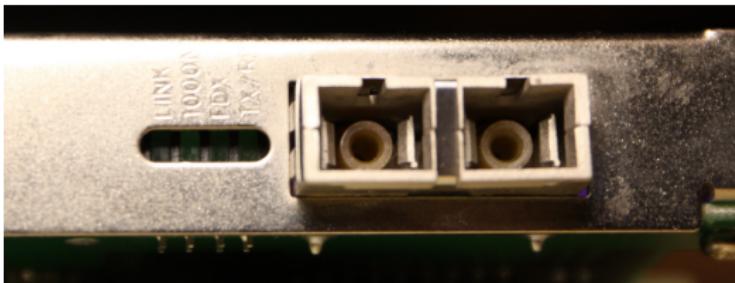
Component 15



```
[221411.207865] usb 1-2: USB disconnect, device number 90
[221703.999606] usb 1-1: USB disconnect, device number 91
[221732.387524] usb 1-1: new high-speed USB device number 92 using xhci_hcd
[221732.528114] usb 1-1: New USB device found, idVendor=0bda, idProduct=8179
[221732.528118] usb 1-1: New USB device strings: Mfr=1, Product=2, SerialNumber=3
[221732.528121] usb 1-1: Product: 802.11n NIC
[221732.528123] usb 1-1: Manufacturer: Realtek
[221732.528126] usb 1-1: SerialNumber: 00E04C0001
[221733.120663] r8188eu: module is from the staging directory, the quality is unknown, you have been warned.
[221733.124373] Chip Version Info: CHIP_8188E_Normal_Chip_TSMC_A_CUT_1T1R_RomVer(0)
[221733.150775] usbcore: registered new interface driver r8188eu
[221733.152618] r8188eu 1-1:1.0 wlx6466b31c4fbc: renamed from wlan0
[221733.177891] IPv6: ADDRCONF(NETDEV_UP): wlx6466b31c4fbc: link is not ready
[221733.178917] r8188eu 1-1:1.0: firmware: direct-loading firmware rtlwifi/rtl188eufw.bin
[221733.544034] MAC Address = 64:66:b3:1c:4f:bc
```



Component 16

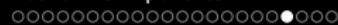


Component 17



Component 18

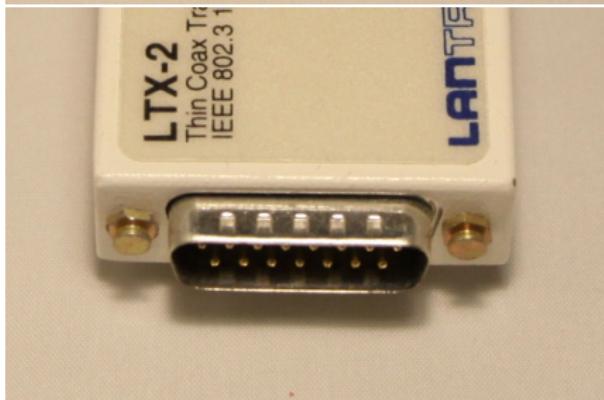




Component 19

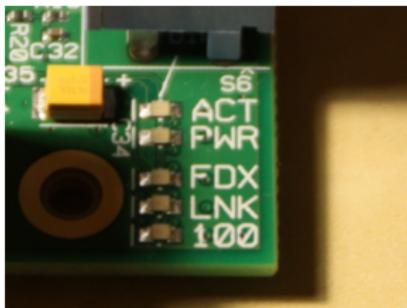
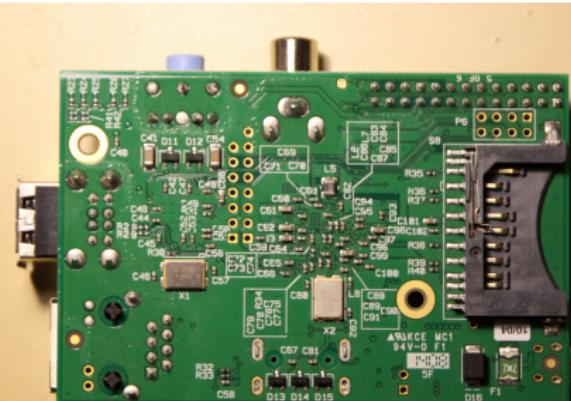


Component 20





Component 21



Component 22



- Components of dry air:
 - Nitrogen (N_2)
 - Oxygen (O_2)
 - Argon (Ar)
 - Carbon dioxide (CO_2)
 - Neon (Ne)
 - Helium (He)
 - Methane (CH_4)
 - Krypton (Kr)
 - Hydrogen (H_2)
 - ...