Sub.:

Computer ports.

Parallel port

8/16/32 bit data parallelly pass data transfer wire 8/16/32 ft 24, data transfer wire 17153 cable, at STOT OTTOI wire 2000 200 data communication 1 obole pulsicing shape 6 bi control AGI So, normally parallel port a ar cable Use 24 ONA ATOR (25) or (36) pin connector/ multiple chappiness at a same wire enter Papall of thousanission.

parallel ports bidirectional The sain who since dange parallel ports speed antising and introducing

from (50-150) up to 2 MBPS

synchronization at an extra wire micr. data control as sal for extra wine atter, · Cost com , noise coti

· External PAM use agra paraller port a situal forted of parallel Transmission EST

A large amount of data mant to send A · Donto needs to be send quickly (video streaming, printer

Serial port (Bidenectional.)

- · serial port is a electronic communication gaterray used for transferring data one bit at a time.
- · Serial port a 2 PZ data communication when artor I (1 for send data, 1 for recoine data)
- · serial port replaced with USB port (universal serial Bus) Strangt port
- · DB9 serial port has 9 pin connector

TO THEN ONAM CONVERT DESCRIPTION ASSESSED TO

- · Data transfer us sal 2 Pi pin 2000 याकि pin निग्न data control यम जल्यांड sender अध्य data वाहार जिल्ला जिल्ला त्या त्या प्राप्त receiver data sizer ready also, receiver ocknowledgement Fully data send 25 27. ७२ उसन काज ७३ जन क्यों eadra कि pin जार 21 parallel port gang ovar as
- · synchronization USI STAT extra wine ATON AY.
- · Biderectional port (2 ft data communication win

and little on the for sendon has been the

for receive have the los

for designed nouse & proposed that is my

it has 2 data communication while.

DATE: /

PS2 port

Purple ps2 -> keyboard Gireen ps2 -> mouse

- e keybord and mouse connect train state

 ps 2 part use 221.
- pse pont oga USB port fact replace zoster why?

 pse port of a mouse I keyboard connect that

 so of entropy disconnected (wire star (stra))
 - TO then crain connect tracas mouse/keybord and then and then and then and then and office of the port.
- · USB port 200 ps2 port faster.

ps 2 single directional port. ps 2 port

2 single directional port. ps 2 port

2 single directional port. ps 2 port

and mouse-keyboard input device (NSMA data

only 1 fatte NTA OTZ ps 2 port 10 1 directional

pin fixt data speed cafar fixt.

USB port bidinectional port. 21 mowelleyboad data only send the organication wire. What is why it has 2 data communication wire.

Chilled

Sub.:

USB (universal serial Bus)

- · Most used connection point for data transfer . It is a serial port
- · It is designed for dovices like printers, mouse, some external
- · USB port speed 2.0 Mbps 480 Mbps
- · USB is a bi-directional port. (2 vine for send & neceive)
- 4 pins
- · No clock
- · USB-C (latest) feature: CV CONTA orientation o लाडारि ता तात device connected 2001

THE PROPERTY OF PROPERTY OF THE

pin	signa l	color	pescription
1	VCC	Ped II	- (V
2	D-	White	Data -
$\frac{2}{3}$	O+	green	- Data+
4	GND	Black -	Ground

Firewire Port

- · IEEE 1394 port
- · connect multiple type of devices that require faster data transmission speeds.
- · Version FineWine 800, FineWine 1600, FineWine 3200
- . Support plug and play

Ethernet Port angol P.

· Serial and parallel port 97 combination.

There are multiple Transmitter data wire-

neceiver data wire pair.

अर्थ प्राथ maltipl wine मिया data एएए मान

T1- 109	05V	1
P1 Still	9	2
2 - 10 548	+0	8
Black	(141)	P

Because Ethernet cable length between switches computers and routers is 100 meters or 329ft. After this 100 meters, the signal starts losing in amplitude. A after the starts losing in amplitude.

That is why we don'ts we ethernet port everythere.

there we resolve this signal losing amplitude problem?

Ans: Ethernt cable length between switchs computers

and naters is 100 meters / 323ft. After 100 meters

the signal starts losing in amplitude. If I want

to use ethernet cables on longer distances,

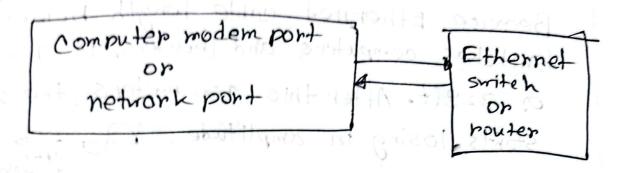
we have to use signal Boosters for every 100 meter

The another more efficient way is to use

fiber optic cable who go up to 20 km without

any signal booster.

- · Coaxial and twisted pair cable was
- · Tristed pair used for short distance.



- for long distances fiber optic links are used as Ethernet cable.
- . Speed 10Mbps up to 10 Gbps.
- · Client receives only 10 to 100 Mbps

The mother more efficient may to to use

files applied on the so up to leaving without

any signal booster.

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DATE: / /

VGIA & HDMJ port

(war slide)

	VgA port	Homi porta A 600
	O Video Graphics Array (VGA) connect devices between laptop, computer, DVD player to a display CTV, monitor, projector) device	1) High Multimedia Interface (HDMI) connect devices between laptop, compute DVD player to a display device (TTSI same)
	e) VGA corries only a video signal	2) HDMs carry both video and adio signal
	Video signal	3) HDMI port carry digital video signal
	1 No data protection is serviced	THOMI port carry data in encryption with HDCP.
	5) VGA ports doesn't support high resolution. Maximum possible resolution (2048 X 1536)	Support high resolution.
	Pefresh rate (60-20) Hz	
١	The meed extra cables.	2) We don't need extra cables for andro signal.
E	Doctor non ha loca	3) Data cann't be loss

United

PREPARACIONALACIO

q.

VGA cannot Transfer Audio, HDMI can. Why.

VGA port can only pass analog we video signal and nothing else. HDMJ port is developed to carry signals between an HDTV set and a set top player. It can carry video signal also carry audio signal up to 8 channels. It has CEC channel for communication between devices. For audio signal VGA port is unable. So, For audio signal we need external cable. But in HDMI we don't need 3-8 cables . we can do audio and video signal in one cable. Newer version Homi port carry. data over the internet too. VGA is usually used in computers while HDMI is used in HD the sots and media, players

DATE: / /

Why var port risk in Data loss 9

puter tox-cost intertential compon

VGA port carry analog video signal. That is why it is high chance to loss data. When we transfer data between computer to display, device, sender have to send data in analog signal. So sender convert digital data to analog data and in conversion de some data can be lost. when analog data come through the VOLA cable, for display the data, the receiving data have to convert into digital data again. This conversion can loss some data. So, This is how, for conversion analog to digital & digital to analog data can be lost.