FM220 RD SERVICE HELPER MANUAL

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1. <u>COMMON ERRORS AND RESOLUTION:</u>

- 1. If there is an error `Warranty/Subscription/Support validity is over. Pl renew. ` while registering the FM220 STARTEK Device, then please follow below instructions.
 - ➔ For above error, one has to pay SUBSCRIPTION AMOUNT for single STARTEK FM220 SCANNER device to keep using device in RD Service.

You can go to following link:

http://www.acpl.in.net

After that click on `Subscription/Warranty Extension Payment Details Entry` button on that page.

Refer screenshot below.



On that page, you will able to see charges of RD Service **SUBSCRIPTION** and **BANK DETAILS** for payment.

Please make payment and after that please fill required details on that page. From ANDROID RD Service also one can enter payment details of his/her SUBSCRIPTION EXTENSION. Refer following screenshots.

HELPLINE NUMBERS: 9099970565/ 8141958565/ 7874078565

FM220 RD	About
	Re-Register
	Subscribe
S	CANNER TEST
	FM220 ready
	A
	W
	<u> </u>
FM220 RD	
Name :-	Enter your name!
Contact No :-	Enter your no!
Payment detail :-	Enter your payment details!
Payment detail :- GST No :-	Enter your payment details!
Payment detail :- GST No :- O Sigle	Enter your payment details!
Payment detail :- GST No :- O Sigle Device SrNO :-	Enter your payment details! Enter GST no! (Optional) e Device O Multiple Device B46C31153
Payment detail :- GST No :- ○ Sigle Device SrNO :- Su ○ ₹118	Enter your payment details! Enter GST no! (Optional) e Device O Multiple Device B46C31153 bbscription Charges One year O ₹ 354 Life time
Payment detail :- GST No :- ○ Sigle Device SrNO :- Su ○ ₹118 Exten	Enter your payment details! Enter GST no! (Optional) e Device O Multiple Device B46C31153 bbscription Charges One year O ₹354 Life time ded Warranty Charges
Payment detail :- GST No :- ○ Sigle Device SrNO :- Su ○ ₹ 118 Exten	Enter your payment details! Enter GST no! (Optional) e Device Original Multiple Device B46C31153 bbscription Charges One year Original Transformed bded Warranty Charges □ ₹177
Payment detail :- GST No :- ○ Sigle Device SrNO :- Su ○ ₹ 118 Exten Paid amount :-	Enter your payment details! Enter GST no! (Optional) e Device Or Multiple Device B46C31153 bbscription Charges One year O ₹ 354 Life time bded Warranty Charges Classifier of the time ded Warranty Charges Classifier of the time details of the time Amount which you paid!
Payment detail :- GST No :- ○ Sigle Device SrNO :- Su ○ ₹ 118 Exten Paid amount :-	Enter your payment details! Enter GST no! (Optional) Device Original Device B46C31153 Description Charges One year O ₹ 354 Life time ded Warranty Charges Device ₹ 177 Amount which you paid! SUBMIT CLEAR HOW TO PAY

2. If there is an error - `Your Device is Blocked, Pl contact HelpDesk.` while registering the FM220 STARTEK Device, then please follow below instructions.

 Please contact our help desk on given contact details: Phone No.: 9099970565 8141958565 7874078565
 E-Mail: support@acpl.ind.in

- If there is an error `The remote name could not be resolved: 'www.acpl.in.net'` OR `Unable to connect to the remote server` OR `Operation timed out` while registering the FM220 STARTEK Device on WINDOWS platform, then please follow below instructions.
 - ➔ If your internet is active, please check whether your network is through PROXY or not.
 - ➔ If your network is through PROXY, then please refer page no 19 to configure PROXY into RD Service application.
 - → You can download that installation guide from <u>http://acpl.in.net/assets/pdf/WINDOWS_RD_SERVICE_INSTALLATION_GUIDE.</u> <u>pdf</u>
 - ➔ If there is no proxy, then please check whether there is network blocking from Antivirus Program.
 - → After confirming all above points make sure that link <u>https://www.acpl.in.net</u> must be accessible from your browser.

- 4. If there is an error 'The remote server returned an error: (403) Forbidden.' while configuring PROXY setting for RD Service please follow below instructions
 - ➔ Please check your PROXY username and password entered into PROXY setting configuration application for RD Service.
- 5. If there is an error 'Could not establish a trust relationship for the SSL/TLS secure channel.' while configuring PROXY setting for RD Service please follow below instructions
 - → Please make sure that system is updated to latest resources.
- 6. If there is an error 'Warning Update google play services.' while using RD Service in ANDROID Device, please follow below instructions

→ Please update `Google Play Service` of your device to latest version.

- 7. If there is an error 'Warning Rooted Handset, Cannot use on this Handset.' while using RD Service in ANDROID Device, please follow below instructions.
 - → RD Service cannot be used on ROOTED Android Device further.
- If there is an error 'This mobile/tablet is not safe to use (as per google test) Application will not capture!' while using RD Service in ANDROID Device, please follow below instructions.
 - → RD Service cannot be used on this type of android device. Because the device is not as per standards of Google Seftynet or Device is ROOTED.

2. <u>SETUP FM220 RD SERVICE (ANDROID):</u>

If one wants to download RD Service for ANDROID platform, then he/she can download from `Google Play Store`. Please refer following screenshot.



After installing RD Service application, please connect your FM220 device to ANDROID device.

Please make sure that internet is active on your ANDROID device.

Internet is required to register the FM220 Scanner Device at UIDAI side.

After successful registration, you will able to test your scanner device from RD Service app itself as shown in following screenshot.



3. SETUP FM220 RD SERVICE(WINDOWS):

🙀 ACPL FM220 RDService					×
Welcome to the ACPL FM Wizard	220 RDS	ervice Set	up		
The installer will guide you through the step: computer.	s required to inst	all ACPL FM220	RDServi	ce on yo	ur
WARNING: This computer program is prote Unauthorized duplication or distribution of th or criminal penalties, and will be prosecuted	cted by copyrigh nis program, or a to the maximum	nt law and interna ny portion of it, m extent possible (tional tre ay result under the	aties. in severe Haw.	; civil
	Cancel	K Back		Next	>

Download Windows Certified RD service from http://acpl.in.net/RdS ervice.html? Link and download Windows Certified RD service

ACPL FM220 RDService		(1111) (×
Select Installation Fo	older		(3
The installer will install ACPL FM22	0 RDService to the following folder.			
To install in this folder, click "Next"	. To install to a different folder, enter it belo	ow or cl	ick "Brow	ise''.
Eolder: C:\Program Files (x86)\Access	Computech Pvt Ltd\ACPL FM220 RD	1	Browse	3
		D	isk Cost	2
Install ACPL FM220 RDService f	or yourself, or for anyone who uses this co	mputer	ţ	
•				

Click on Next and select installation folder.

ACPL FM220 RDService				×
Confirm Installation				5
The installer is ready to install ACPL FM2	20 RDService on vo	ur computer.		
Click "Next" to start the installation.				
	Cancel	< Back	Nex	t>

Click Next button for Confirm to Start Installation.

ACPL FM220 RDService		1922	
FM220 registered devic	e setup		5
FM220 SDK			
	Cancel	< Back	Next>

😴 ACPL FM220 RDService		<u></u>		×
Installing ACPL FM220 RDService				5
ACPL FM220 RDService is being installed.				
Please wait				
	< Back		Ne	xt >

Click Next and wait for RD setup to start.

Wait to install all necessary files.

ACPL FM220 RDService					×
Installation Complete					
ACPL FM220 RDService has been succ	essfully installed.				
Click "Close" to exit.					
DI 577 I II I C I I C	N2 1 1 1 1 1 1				
Please use Windows Update to check fo	or any critical updates	to the .NET F	ramewo	rk.	
Please use Windows Update to check fo	or any critical updates	to the .NET F	ramewo	rk.	

Click on Close button for Exit.

4. SETUP FM220 RD SERVICE SUPPORT TOOLS:

Welcome to the ACF service Setup Wizar	PL FM220 Sup d	port tools fo	or RD	5
The installer will guide you through service on your computer.	n the steps required to ir	nstall ACPL FM220 S	iupport tools	for RD
WARNING: This computer progra Unauthorized duplication or distrib or criminal penalties, and will be pr	m is protected by copyr ution of this program, or rosecuted to the maximu	ight law and internat any portion of it, ma um extent possible u	ional treaties y result in se nder the law.	vere civil
or criminal penalties, and will be p	rosecuted to the maximu	um extent possible u	nder the law.	

Download Windows Support Tools from http://acpl.in.net/RdS ervice.html? Link and download Windows support tools

		A
e installer will install ACPL FM220 \$	Support tools for RD service to the follow	ing folder.
install in this folder, click "Next". T	o install to a different folder, enter it belo	w or click "Browse".
<u>F</u> older:		
L: Mrogram Files (X86) Access Lo	mputech PVt LtdVACPL FM220 Sup	Browse
		Disk Cost
		Disk Cost
Install ACPL FM220 Support tools f	or RD service for yourself, or for anyone	Disk Cost who uses <mark>t</mark> his
Install ACPL FM220 Support tools f computer:	or RD service for yourself, or for anyone	Disk Cost who uses this

Click on Next button and Select installation folder. After selection, again click on Next button.



Confirm installation and click next to start further installation.

After clicking on next button, it will display message that your application is installed, click on close button for exit.

After installation, it will display automatic FM220 Device Installer.

FM-220 Device Installer			
Welc	ome to the FM-22	20 Installer!	
This wize	ard will walk you through upda	记 ACPL FM220 Support tools for RD service — 🛛	×
your FM-	220 device.	Installation Complete	()
		ACPL FM220 Support tools for RD service has been successfully installed. Click "Close" to exit.	
To conti	nue, click Next.		
	< Back		
		Please use Windows Update to check for any critical updates to the .NET Framework.	
		Cancel < Back Close	

FM-220 Device Installer	
	Welcome to the FM-220 Installer!
	This wizard will walk you through updating the drivers for your FM-220 device.
	To continue, click Next.
	< Back Next > Cancel

Click on next and wait For device drivers to Install in your PC.

installing your FM-	220 device.
The drivers were successfully in	stalled on this computer.
You can now connect your devi came with instructions, please re	ce to this computer. If your device ad them first.
Driver Name ✔ Startek Engineering Inc	Status Ready to use

If drivers is successfully installed in your PC, then it will display device status as **"Ready to use".**

If drives is not installing In your PC, then it will Display device status as **"Device driver Failed".**

5. <u>INSTRUCTIONS TO ENABLE HTTPS IN RD SERVICE:</u> <u>(Only if you want to use different port for HTTPS</u> <u>Otherwise it will support HTTPS on same port which is on</u> <u>HTTP</u>)

If you wanted to listen RD Service on HTTPS protocol, then please follow instructions described below.

If you want to check whether RD Service is listening through HTTPS protocol, then go to following link:

http://acpl.in.net/fm220_entry/RD_Service_Call_HTTP.aspx

If HTTPS is not configured in RD Service then follow instructions.

For enabling HTTPS in RD Service please go to following path and open application named **"Config ACPL RD service.exe". Open this application as Administrator.** Follow instructions for further process:

PATH: `C:\Program Files (x86)\Access Computech Pvt Ltd\ACPL FM220 Support tools for RD service\`

APP NAME: ` Config ACPL RD service.exe `

RUN MODE: `As Administrator

1. Application Console: -

the Configure RD se	ervice	_		×
Acces HTTPS (SSL) config HTTPS port No	s FM220 RD set guration 11200	Config	onfigu _{gure} SS	ration
Proxy settings	Use Custom Proxy			
Proxy Server		Port		
User Name K	Pass leep blank if login is not req	sword uired		
button4	Test Settings	Se	t Proxy	

2. Fill Port Number: -

_
\mathcal{A}

3. Click on `Configure SSL` button: -

Configure RD s	ervice	_		×	Click on button and wait for any
Acces HTTPS (SSL) conf	iguration	e con	figura	tion	response.
Proxy settings	Use Custom Proxy	ungur	e ool	J	
Proxy Server	Port				
button4	Keep blank if login is not required	Set P	гоху		

- 4. Responses from application: -
 - ➔ After clicking on `Configure SSL` button, it will show following response.



→ After above response, it will restart RD Service. So, please wait for restart and application response as following.



6. RD SERVICE TROUBLESHOOTING WITH HTTPS:

→ In case of WINDOWS 8.1, if operating system is not updated, then RD Service cannot be connected through HTTPS. So, to enable HTTPS in this OS please follow below instructions. (These instructions are for 64-bit OS. You can search same for 32-bit.)

Please find links to download updates for enabling the HTTPS RD Calls into WIN 8.1 64 Bit version.

Please Install them in order shown below.

- 1. Please Download and Install UPDATE File: Windows8.1-KB3021910-x64.msu (NO RESTART) https://www.microsoft.com/en-us/download/details.aspx?id=46809
- 2. After 1st step and RESTART please download and install UPDATE File: -Windows8.1-KB2919355-x64.msu (RESTART REQUIRED) <u>https://www.microsoft.com/en-us/download/details.aspx?id=42335</u>

3. After 2nd step and RESTART please download and install UPDATE File: -Windows8.1-KB3172614-x64.msu (RESTART REQUIRED) https://www.microsoft.com/en-us/download/details.aspx?id=53334

➔ In case of Firefox browser, RD Service cannot be connected through HTTPS. So, to enable HTTPS in Firefox browser please follow below instructions.

Open Firefox browser and follow below instructions: Go to Menu -> Options and Click on `Advanced` tab.



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Refresh your web page from which you are calling RD Service.

➔ In case if HTTPS is also not working in IE, you can follow below instructions.

You can add your website into trusted web sites list to enable HTTPS.



After that, go to `Security` tab and click on `Trusted Sites`.



You can add your web site address from where you are going to call RD Service functionalities.

e.g. http://www.acpl.in.net



7. INSTRUCTIONS TO SET PROXY SETTINGS IN RD SERVICE:

If your internet running through proxy and you are getting following error while registering FM220 device in RD Service, then please follow instructions described below.



For enable proxy in RD Service please go to following path and open application named **"Config ACPL RD service.exe". Open this application as Administrator.** Follow instructions for further process:

PATH: `C:\Program Files (x86)\Access Computech Pvt Ltd\ACPL FM220 Support tools for RD service\`

APP NAME: ` Config ACPL RD service.exe `

RUN MODE: 'As Administrator'

1. Application Console: -

Arr Configure RD :	service		—		×
Acces HTTPS (SSL) con HTTPS port No	ss FM220 RI	D serv	ice o	onfig	uratio si
Proxy settings	Use Custom P	Proxy		_	
Proxy Server		P	ort		
User Name	Keep blank if login is	Passw not requir	ord ed		
	Test Sett	ings	Se	et Proxy	r

2. Fill Proxy Details: -

	Check the box for
Configure RD service —	× Use Custom Proxy`
Access FM220 RD service configuration HTTPS (SSL) configuration HTTPS port No Configure Service Config	tion
Proxy settings Use Custom Proxy	
Proxy Server Port	Enter Proxy Server
User Name Password	
Test Settings Set Proxy	Enter Proxy Username and Password if required.

3. Click on `Test Settings`: -

Configure RD service	- 0	×	
Access FM220 HTTPS (SSL) configuration HTTPS port No	RD service configu	uration SL	
Proxy settings Use Cus Proxy Server server ip User Name Keep blank if lo	om Proxy Port port no. Password gin is not required Settings Set Proxy		After inserting details please click on `Test Settings`
TTPS port No TTPS port No Success! Name OK	Configure SS Configure SS Port port no. word uired		

4. Click on `Set Proxy`: -

Configure RD service		_		×		
Access FM2 HTTPS (SSL) configuration HTTPS port No	220 RD ser	ViCe COI Configu	nfigura re SSL	ation	After that please click on `Set Proxy`	$\Big)$
Proxy settings Use Proxy Server server ip User Name Keep blank	e Custom Proxy Passy k if login is not requ est Settings	Port port n vord ired Set F	o. Proxy			
Settings saved!	Conf					

It will take some time to restart the service.

If any other error raises at time of registration, like <u>Device data not</u> <u>available</u> or <u>Device is blocked</u> or <u>Subscription Expired</u> etc., then please contact our support.

8. <u>INSTRUCTIONS TO CHECK FOR ACPL FM220</u> <u>REGISTERED DEVICE SERVICE:</u> <u>(Basic Functionality)</u>

- 1. On your desktop, click Start > Run.
- 2. On the Open field, type **services.msc** and then click **OK**. The Services console pops up, listing all services that are installed on the computer.
- 3. Check for ACPL FM220 Registered Device service if it is started or not (Default Start)

	rineev in rive cupture fill
ACPL FM220 Registerd Device service	FM220 RD service for Ul Running
·····	
	ACPL FM220 Registerd Device service

- 4. If service started then please check task bar for Icon
- 5. Right click on Icon and check if your device is ready or not.
- 6. If Service is running and device is connected and registered, then ready status will display with green colour.



7. If Service is running, Device is connected but, Device is not registered, then following status will be displayed.



8. If Service is running and device is not connected then following status will be displayed.

	FM220	1
0	About	
	Restart	U
	Test Capture	U
	Register Device]
	Check for Update	

9. If Service is stopped, then it will display in Red colour.



10. Whenever FM220 Device is connected to PC, it will display notification



11. Now click on "Test Capture" option from menu to test device. It will display image as below



Now, click on "Capture Finger" button and put your finger on device for fingerprint. After taking fingerprint, click on submit button and again capture another finger in same manner.

	Capturing LEF	T HAND INDEX
	Fingers to be captured : 2	Fingers captured : 0
SUBMIT	Capture Finger	ABORT
1000		
	Place Finger a Pl select fin Fingers to be captured : 2 LEFT INDEX	and click capture ger to capture Fingers captured : 1

12. After successful enrolment of finger print, it will display message a



13. Click on "About" option from menu for information about application.



14. Whenever you remove FM220 Device from your PC, it will display Notification as



9. <u>ALLOW RD SERVICE COMMUNICATION IN</u> <u>ANTIVIRUS PROGRAMS:</u>

→ <u>Quick Heal</u>:

i. Enable ports for HTTP: Open Quick Heal Total Security and click on `Internet & Network`.



Now go to settings of `**Firewall Protection**`.





Now in **`Advanced Settings**` click on **`Configure**`.

Now in `Traffic Rules` click on `Add`.

Advanced Settings			×
Display Alert Message			
Create <u>R</u> eports			
C:\Program Files\Quick He	al\Quick He\Firewall	Brow	<u>v</u> se
Network Connections Traffi	c Rules		
Exceptions			
Exception Name	Protocol	Action	Network Profi ^
s			~
	Add Rem	no <u>v</u> e Up	Down
	De	e <u>f</u> ault <u>O</u> H	Cancel

Now follow described steps below as pictures and enter values same as described in pictures.

Add/Edit Exceptions	×	
Exception Name:	_	Click `Next`
RD HTTP		7/
Select Protocol:		
● <u>I</u> CP		
UCWP		
	<u>N</u> ext <u>C</u> ancel	

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Add/Edit Exceptions	× _	
Local IP Address:	-	Click Wext
• Any IP Address:	f	
IP Address:		
IP Address <u>Range</u>		
Start IP Address:	· · · ·	
End IP Address:		
	2	
	Park Court Court	
	Back Next Cancel	
Add/Edit Exceptions	×	
Local TCP/UDP Port:		Click Next
<u>All Ports</u>		
Specific Port(s):	Use comma (,) in between to	
Dert Dears	enter multiple ports.	
Port <u>R</u> ange	11100	/
S <u>t</u> art Port:		
End Port:		
	<u>B</u> ack <u>N</u> ext <u>C</u> ancel	
Add/Edit Eventions	×	
Add/Edit Exceptions	^ .	
Remote IP Address:		Click 'Nevt'
• Any IP Address:		Click Next
DIP Address:		
UIP Address.		
O IP Address <u>R</u> ange		
IP Address <u>R</u> ange <u>Start</u> IP Address:	· · · ·	
IP Address <u>R</u> ange <u>S</u> tart IP Address: <u>E</u> nd IP Address:		
 IP Address <u>R</u>ange <u>S</u>tart IP Address: <u>E</u>nd IP Address: 		
○ IP Address <u>R</u> ange <u>S</u> tart IP Address: <u>E</u> nd IP Address:		
IP Address <u>R</u> ange <u>S</u> tart IP Address: <u>E</u> nd IP Address:	· · · · · · <u>Back Next Cancel</u>	
 IP Address <u>Range</u> <u>Start IP Address:</u> End IP Address: 	· · · · · ·	
 IP Address <u>R</u>ange <u>S</u>tart IP Address: <u>E</u>nd IP Address: 	· · · · · · · · · · · · · · · · · · ·	
IP Address <u>B</u> ange <u>S</u> tart IP Address: <u>E</u> nd IP Address: Add/Edit Exceptions Remote TCP/I IDP Port:	· · · · · · · · Back Next Cancel	
IP Address <u>R</u> ange <u>S</u> tart IP Address: <u>E</u> nd IP Address:	Back Next Cancel	Click `Next`
IP Address <u>R</u> ange <u>S</u> tart IP Address: <u>E</u> nd IP Address: Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u>	Back Next Cancel	Click `Next`
 IP Address <u>R</u>ange <u>S</u>tart IP Address: <u>E</u>nd IP Address: <u>E</u>nd IP Address: Add/Edit Exceptions Remote TCP/UDP Port: <u>A</u>ll Ports <u>S</u>pecific Port(s): 	Back Next Cancel	Click `Next`
 IP Address <u>Range</u> <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u> <u>Specific Port(s):</u> <u>Port Range</u> 	Back Next Cancel Use comma (.) in between to enter multiple ports.	Click `Next`
 IP Address <u>R</u>ange <u>S</u>tart IP Address: <u>End IP Address:</u> <u>End IP Address:</u> Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u> <u>Specific Port(s):</u> Port <u>R</u>ange Start Port; 	Back Next Cancel Use comma (,) in between to enter multiple ports. X	Click `Next`
 IP Address <u>Bange</u> <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u> <u>Specific Port(s):</u> Port <u>Bange</u> <u>Start Port:</u> End Port: 	Back Next Cancel Use comma (.) in between to enter multiple ports. 11100 11120 11120	Click `Next`
 IP Address <u>R</u>ange <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u> <u>Specific Port(s):</u> ○ Port <u>R</u>ange <u>Start Port:</u> <u>End Port:</u> 	Back Next Cancel Use comma (.) in between to enter multiple ports. 11100 11120 11120	Click 'Next'
 IP Address <u>R</u>ange <u>Start IP Address</u>: <u>End IP Address</u>: <u>End IP Address</u>: <u>Add/Edit Exceptions</u> <u>Add/Edit Exceptions</u> <u>All Ports</u> <u>Specific Port(s)</u>: <u>Port R</u>ange <u>Start Port:</u> <u>End Ports</u> 	Back Next Cancel	Click `Next`
 IP Address <u>Bange</u> <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u> <u>Specific Port(s):</u> Port <u>Bange</u> <u>Start Port:</u> <u>End Port:</u> 	Back Next Cancel Use comma (,) in between to enter multiple ports. X 11100 11120	Click `Next`
 IP Address <u>Bange</u> <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u> <u>Specific Port(s):</u> <u>Port Bange</u> <u>Start Port:</u> <u>End Port:</u> 	Back Next Cancel	Click `Next`
 IP Address <u>R</u>ange <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> <u>Add/Edit Exceptions</u> <u>Specific Port(s):</u> <u>Port Range</u> <u>Start Port:</u> <u>End Port:</u> 	Back Next Cancel	Click 'Next' Click 'Finish'
 IP Address <u>R</u>ange <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> <u>Add/Edit Exceptions</u> <u>Specific Port(s):</u> <u>Specific Port(s):</u> <u>Port R</u>ange <u>Start Port:</u> <u>End Port:</u> 	Back Next Cancel Back Use comma () in between to other multiple ports. III00 III00 III20 Eack	Click `Next` Click `Finish`
 IP Address <u>Bange</u> <u>Start IP Address</u>: <u>End IP Address</u>: <u>End IP Address</u>: Add/Edit Exceptions <u>Specific Port(s)</u>: <u>Specific Port(s)</u>: Port <u>Bange</u> <u>Start Port</u>: <u>End Port</u>: <u>Add/Edit Exceptions</u> 	Back Next Cancel	Click 'Next' Click 'Finish'
 IP Address <u>B</u>ange <u>S</u>tart IP Address: <u>E</u>nd IP Address: <u>E</u>nd IP Address: <u>Add/Edit Exceptions</u> <u>Specific Port(s):</u> <u>Specific Port(s):</u> <u>Port B</u>ange <u>S</u>tart Port: <u>E</u>nd Port: <u>End Port:</u> 	Back Next Cancel	Click `Next` Click `Finish`
 IP Address <u>Bange</u> <u>Start IP Address:</u> <u>End IP Address:</u> <u>End IP Address:</u> Add/Edit Exceptions Remote TCP/UDP Port: <u>All Ports</u> <u>Specific Port(s):</u> <u>Specific Port(s):</u> <u>Port <u>Bange</u> <u>Start Port:</u> <u>End Port:</u></u> Add/Edit Exceptions Select Action: <u>Allow</u> Deny. 	Back Next Cancel	Click 'Next' Click 'Finish'
 IP Address <u>B</u>ange <u>S</u>tart IP Address: <u>E</u>nd IP Address: <u>E</u>nd IP Address: <u>E</u>nd IP Address: Add/Edit Exceptions <u>All Ports</u> <u>Specific Port(s):</u> <u>Port <u>B</u>ange</u> <u>S</u><u>S</u><u>start Port:</u> <u>E</u>nd Port: <u>E</u>nd Port: <u>Start Port:</u> <u>E</u>nd Port: <u>Start Port:</u> <u>E</u>nd Port: 	Back Next Cancel Back Use comma () in between to ester multiple ports.	Click `Next` Click `Finish`
 IP Address <u>B</u>ange <u>S</u>tart IP Address: <u>E</u>nd IP Address: <u>E</u>nd IP Address: <u>A</u>II Ports <u>S</u>pecific Port(s): Port <u>B</u>ange <u>S</u>tart Port: <u>E</u>nd Port: <u>S</u>tart Port: <u>E</u>nd Port: <u>S</u>tart Port: <u>E</u>nd Port: <u>S</u>tart Port: <u>E</u>nd Port: 	Back Next Cancel	Click 'Next' Click 'Finish'
 IP Address <u>B</u>ange <u>S</u>tart IP Address: <u>E</u>nd IP Address: <u>E</u>nd IP Address: <u>E</u>nd IP Address: <u>A</u>ll Ports <u>S</u>pecific Port(s): <u>Port B</u>ange <u>S</u>tart Port: <u>E</u>nd Port: <u>E</u>nd Port: <u>E</u>nd Port: <u>M</u>I Port: <u>Port B</u>ange <u>S</u>tart Port: <u>E</u>nd Port: <u>E</u>nd Port: <u>M</u>I Port: <u>M</u> Port:	Image: Second secon	Click 'Next' Click 'Finish'

ii. Enable port for HTTPS:

.

Enabling of HTTPS port is same as enabling of port in HTTP, described above. There is only change in rule name and port number please follow instructions as described in pictures.

Add/Edit Exceptions	×	
Exception Name:		
RD HTTPS	J	
Select Protocol:		
○ <u>I</u> CMP		
	<u>N</u> ext <u>C</u> ancel	

Other steps are same as above HTTP configuration. Only port number will change.

Add/Edit Exceptions	×	
Local TCP/UDP Port:		Click `Next`
<u>All Ports</u>		7/
• <u>Specific Port(s)</u> :	11200 Use comma (,) in between to enter multiple ports.	
Port <u>R</u> ange		//
Start Port:		
End Port:		
	Back Next Cancel	
	<u>B</u> ack <u>N</u> ext <u>C</u> ancel	
	<u>B</u> ack <u>N</u> ext <u>C</u> ancel	
	<u>B</u> ack <u>N</u> ext <u>Cancel</u>	
Add/Edit Exceptions	Back Next Cancel	
Add/Edit Exceptions	Back Next Cancel	Click 'Next'
Add/Edit Exceptions Remote TCP/UDP Port:	Back Next Cancel	Click `Next`
Add/Edit Exceptions Remote TCP/UDP Port: All Ports Specific Port(s):	<u>Back</u> <u>Next</u> <u>Cancel</u>	Click `Next`
Add/Edit Exceptions Remote TCP/UDP Port: All Ports Specific Port(s): Port <u>R</u> ange	Back Next Cancel Image: second secon	Click `Next`
Add/Edit Exceptions Remote TCP/UDP Port: All Ports Specific Port(s): Port Bange Start Port:	Back Next Cancel	Click `Next`
Add/Edit Exceptions Remote TCP/UDP Port: All Ports Specific Port(s): Port Range Start Port: End Port:	Back Next Cancel	Click `Next`
Add/Edit Exceptions Remote TCP/UDP Port: All Ports Specific Port(s): Port Range Start Port: End Port:	Back Next Cancel 11200 Use comma (.) in between to enter multiple ports.	Click `Next`

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Display Alert Message				er 2		
Create <u>R</u> eports						
C:\Program Files\Quick Heal\	Quick He\Firewall	В	ro <u>w</u> se	/ler		
Network Connections Traffic R	ules					
Exceptions						
	Protocol	Action	Network Profi	^		
	тср	Allow	Home Work P			
	ТСР	Allow	Home,Work,Pi			
<	Add Re	emo <u>v</u> e	Jp Down			
t © 2017 Quick Heal Technologies	Add Re	emo <u>v</u> e	2p Down QK Cance			
	Add Re	emo <u>v</u> e) <u></u>	> _pDown Cance K Back to 	o Menu		
Int © 2017 Quick Heat Technologies FIT EWAIT PTOLE Monitor Wi-Fi Netwo Identifies unsafe Wi-Fi netwo	Add Re	emo <u>v</u> e j	A Down	o Menu		Click Source
Ant 60 2017 Quick Heat Technologies FITEWAIL PTOLE Monitor Wi-Fi Network Identifies unsafe Wi-Fi ne Program Rules	Add Re	emo <u>v</u> e j	> Up Down QK Cance IIII « Back to ON	o Menu		Click `Save
Ant G: 2017 Quick Heat Technologies FITEWAIL PTOLE Monitor Wi-Fi Network Identifies unsafe Wi-Fi network Program Rules Create rules for programs accessing	Add Re	emo <u>v</u> e j	→ Up Down QK Cance ### Cance Configure.	o Menu	(Click `Save Changes`
Advanced Settings	Add Re Ltd. POCKS tworks. g the internet.	emo <u>v</u> e <u></u>	> Jp Down QK Cance ### << Back to ON	o Menu	5	Click `Save Changes`
Configure rules to control inbound	Add Re	emo <u>v</u> e <u></u> De <u>f</u> ault	> Up Down QK Cance IIII K Back to ON ON Configure.	o Menu	5	Click `Save Changes`
Configure rules to control inbound	Add Re	emo <u>v</u> e	> Up Down QK Cance UU Configure. Configure.	o Menu	5	Click `Save Changes`
Configure rules to control inbound	Add Re	emo <u>v</u> e	> Up Down QK Cance UU Configure. Configure.	o Menu	5	Click `Save Changes`

After completion of all steps you will able to see all rules (HTTP and HTTPS).

Now go to 'Program Rules' and verify following





After that in 'Protection' Tab click on 'Firewall'.

Kaspersky Total Security		KA\$PER\$KY [®] ?	?	_	×	Clic	< Here)
General Protection Performance		File Anti-Virus Scans all files that are opened, saved, or run. Web Anti-Virus Scans incoming web traffic and prevents dangerous scripts from runnin Application Control	01					-
<u>Scan</u> Additional		Monitors the activity of all applications that are installed on the computer Firewall Filters all network activity to ensure security on local networks and the I Private Browsing Protects applies collection of information about your activities on websi	r. Oi		5			
	Q	Webcam Protection Prevents spying on you via webcam.	Oi	n ()				

After that click on `Configure packet rules`.

 Firewall settings 		
Firewall Filters all network activity to ensure security on local networks and the	Internet. <u>Learn more</u>	\frown
Notify of vulnerabilities in Wi-Fi networks		Click Here
Block and warn about insecure transmission of passwords over No hidden notifications.	r the Internet	>~
▲ These settings are not available because Kaspersky Secure Connect connection settings in Kaspersky Secure Connection. <u>Settings</u>	tion is installed on the computer. You can configu	re V
Allow connections on random ports for active FTP mode		
\checkmark Do not disable Firewall until the operating system stops completely	, //	
Block network connections if the user cannot be prompted for acti The application does not prompt the user for action if the application	on ion interface is not loaded.	
Networks		
Configure application rules		
Configure packet rules		
Ø @	Other products My Kaspersky License:	30 c

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Now we will see, how to enable ports for HTTP and HTTPS.

i. Enable ports for HTTP & HTTPS:



Access Computech Pvt Ltd

Open MCAFEE security program. Go to Firewall settings and click on `Port and System Services`.

	👿 Firewall	- ×	
	Firewall: On Firewall protects your PC against intruders who can hijack your PC or steal personal the information your PC sends and receives.	i information, and polices	
	Learn more Turn Off	Restore Defaults	
	Internet Connections for Programs	~	
	My Network Connections	~	
	Ports and System Services	~	
	Intrusion Detection	~	
	Net Guard	~	
	Learn more	I urn Off Restore Default	IS
	Ports and System Services	^	
Click on `Add`	Open a port on your PC so a service can be accessed by other	PCs on your network and the Internet.	
\searrow	Name Port(s)	Description	
	Learn more Edit	Add Delete	

Now we will see how to configure HTTP and HTTPS ports.



→ <u>Symantec Endpoint Protection</u>:

Open Symantec Endpoint Protection. Go to **`Policies`** tab and click on **`Firewall`**.







Now we will see how to configure ports for HTTP and HTTPS.



HELPLINE NUMBERS: 9099970565/ 8141958565/ 7874078565



HELPLINE NUMBERS: 9099970565/ 8141958565/ 7874078565

🛡 Add I	Firewall Rule	Wizard		
Select Select the	the Networl	Services s this rule should match.		Symanted
What	t type of communi	ications, or ports, do you	want to control?	
	All types of con	munication (all protocols	and ports, local and remote)	
	The following ty	pes of protocols on all po	rts: TCP	~
•	Only the commu	inications selected below		
		Service Name	Communications	
	v		TCP:[Local=11100-11120]	•
		DHCP Server	UDP:[Local=67,68; Remote=67,68]	=
		DNS Server	TCP:[Local=53; Remote=53] ; UDP:[l	_ocal=53]
		FTP Server	TCP:[Local=21; Incoming] ; TCP:[Loc	al=20; Outgoing]
		HTTP Server	TCP:[Local=80,443]	
		IMAP Server	TCP:[Local=143]	
		LDAP Server	TCP:[Local=389]	
			Add	Edit Devte
			< Bac	k Next > Cance
DPP 🔘	Firewall Rule	Wizard		

