1- To put modem on bridge mode and enable PPPoE user name / password (for example for Bell) just go to Network => WAN => WAN Connection Type:

TP-LIN	C	
Status		
Quick Setup	WAN	
WPS		
Network	WAN Connection Type:	DDD+E/Durale DDD+E
- WAN	HILK Connection type:	PPPOE/Russia PPPoE Detect
- MAC Clone		
- LAN	PPPoE Connection:	
Wireless	User Name:	
Guest Network	Password:	
DHCP	Confirm Password:	
Forwarding		
Security	Secondary Connection:	Disabled Dynamic IP Static IP (For Dual Access/Russia PPPoE)
Parental Control		
Access Control	Wan Connection Mode:	Connect on Demand
Advanced Routing		Max Idle Time: 15 minutes (0 means remain active at all times.)
Bandwidth Control		Connect Automatically
IP & MAC Binding		 Time-based Connecting
Dynamic DNS		Period of Time: from 0 : 0 (HH:MM) to 23 : 59 (HH:MM)
IPve Support		Connect Manually
System tools		Max Idle Time: 15 minutes (0 means remain active at all times.)
Logoot		Connect Disconnected!
		Anne Adversed
		Save Advanced
	¢	,

2- Otherwise if there is no bridge mode just leave the WAN connection Type to default (which is Dynamic IP)

- 3- Security => Basic Security
 - a. Under Firewall, set SPI Firewall to Disable

b. Under ALG, set SIP ALG to disable and save

TP-LINK°

			Model No. 1L-M	IK04 IN
Status				
Quick Setup Basi	c Security			
WPS				
Network Fire	vall			
Wireless	SDI Eirowall:	Enable S Disable		
Guest Network	SPIT newall.			
DHCP				
Forwarding VPN				
Security	PPTP Passthrough:	💿 Enable 🔵 Disable		
- Basic Security	L2TP Passthrough:	💿 Enable 🔵 Disable		
- Advanced Security	IPSec Passthrough:	💿 Enable 🔵 Disable		
- Local Management				
- Remote Management				
Parental Control	ETD ALC:	Enable O Disable		
Access Control	FIP ALG:	Enable Disable		
Advanced Routing	IFIP ALG:			
Bandwidth Control	H323 ALG:	Enable Disable		
IP & MAC Binding	RTSP ALG:	Enable Disable		
Dynamic DNS	SIP ALG:	Enable 💿 Disable		
IPv6 Support				
System Tools		Save		
Logout				

300M Wireless N Router

300M Wireless N Router

Model No. TL-WR841N

- 4- Security => Advanced Security, please ensure:
 - a. UDP-Flood Filtering is disabled
 - b. TCP-SYN-Flood Atatck Filtering is disabled (off)

TP-LINK[®]

Status	
Quick Setup	Advanced Security
WPS	
Network	Dackate Statistics Interval (5 - 60) 10 Seconds
Wireless	
Guest Network	n en e vien e Diable e Fachle
DHCP	Dos Protection:
Forwarding	
Security	Enable ICMP-FLOOD Attack Filtering
- Basic Security	ICMP-FLOOD Packets Threshold (5 ~ 3600): 50 Packets/Secs
- Advanced Security	
- Local Management	Enable UDP-FLOOD Filtering
- Remote Management	UDP-FLOOD Packets Threshold (5 ~ 3600): 500 Packets/Secs
Parental Control	
Access Control	Enable TCP-SYN-FLOOD Attack Filtering
Advanced Routing	TCP-SYN-FLOOD Packets Threshold (5 ~ 3600): 50 Packets/Secs
Bandwidth Control	
IP & MAC Binding	Innere Ping Packet from WAN Port to Pouter
Dynamic DNS	
IPv6 Support	Forbid Fing Facket from LAN Port to Kouter
System Tools	
Logout	Save Blocked DoS Host List

- 5- QoS (Quality of service): To be setup if client is sharing the VoIP Internet with Data
 - a. Once all the phones are plugged in, please go to "IP & MAC Binding" => "-ARP List" and click on "Load" to statically assign an IP address to the mac address of the phones

TP-LINK	٢					
Status						
Quick Setup	ARP	List				
WPS						
Network						_
Wireless	ID	MAC Address	IP Address	Status	Configure	
Guest Network	1	00-E1-00-00-27-6E	192.168.0.100	Unbound	Load Delete	
DHCP						
Forwarding			Bind All	Load All	Refresh	
Security						
Parental Control						
Access Control						
Advanced Routing						
Bandwidth Control						
IP & MAC Binding						
- Binding Settings						
- ARP List						
Dynamic DNS						
IPv6 Support						
System Tools						
Logout						
Dynamic DN S IPv6 Support System Tools Logout						

 Once all devices are done, Click on "IP & MAC Binding" => "Binding Settings" to ensure devices are all added:

TP-LINK				
Status				
Quick Setup	Binding Settings			
WPS				
Network		Disable Enable		
Wireless	ARP Binding.			
Guest Network		Save		
DHCP				
Forwarding	ID MAC Address	IP Address	Bind	Modify
Security	1 00-E1-00-00-27-6E	192.168.0.100		Modify Delete
Parental Control	Add New Enable All Disa		Find	
Access Control	Add New Ellable All Disa	Delete All	1 IIIG	
Advanced Routing				
Bandwidth Control		Previous	ext Current	No. 1 🔻 Page
IP & MAC Binding				
- Binding Settings				
- ARP List				
Dynamic DN S				
IPv6 Support				
System Tools				
Logout				

c. Go to "Bandwidth Control Settings" => "Control Settings", Enable Bandwidth Control and put a realistic value for Egrees (Upload speed) and Ingrees (Download speed) (values depend on client's bandwidth)

TP-LIN	K°		300M Wireless N Router Model No. TL-WR841N
Status Quick Setup WPS	Bandwidth Control Settings		
Network	Enable Bandwidth Control:	I and the second	
Wireless	Line Type:	ADSL Other	
Guest Network	Egress Bandwidth:	10000	Kbps
DHCP	Ingress Bandwidth:	20000	Kbps
Forwarding		·	
Security			Save
Parental Control			ouro
Access Control			
Advanced Routing			
Bandwidth Control			
- Control Settings			
- Rule List			
IP & MAC Binding			
Dynamic DNS			
IPv6 Support			

d. Lastly go to "Bandwidth Control Settings" => "Rule List" and create a rule per device (per IP), or if IPs are in a row you can just create a rule for the entire IP Range of the phones; the upload and download speed per each device need to be calculated and tuned based on the client's bandwidth. We usually need to specify minimum 512 Kbps to each device

NK°							
	Bandwidth Control Rule L	List					
	Description	Egress Ban	dwidth(Kbps)	Ingress Ban	dwidth(Kbps)	Enable	Modify
	Description	Min	Max	Min	Max	Enable	woully
1	192.168.0.100	2000	5000	2000	5000		Modify Delete
	Previous Next	Current No. 1 V Page					