

# Business quality HD videoconferences tunneled via cellular networks

Bandwidth and connection reliability were the limiting factors for using HD videoconferences at remote or temporary locations.

**Now you can aggregate connections from several mobile operators to one fast and reliable data stream.**

## BANDWIDTH

Aggregates connections from several mobile operators to one data stream

## RELIABILITY

Makes the connection reliable for business quality videoconference

## ACCESSIBILITY

Tunnels public IP addresses to videoconference units

## COMPATIBILITY

Works with any H.323 or SIP videoconference manufacturer

## CONFIGURATION

Web GUI on the server provides access to all connected clients

## UPGRADES

Automatically from the server

### 4mulcom Client

The 4mulcom client spreads the bandwidth across all available mobile connections. It dynamically adjusts overall throughput according to delay, jitter and packet loss on each channel.

Put up to four SIM cards into 4mulcom client and connect it to your VC equipment. No other configuration is required.

### Server

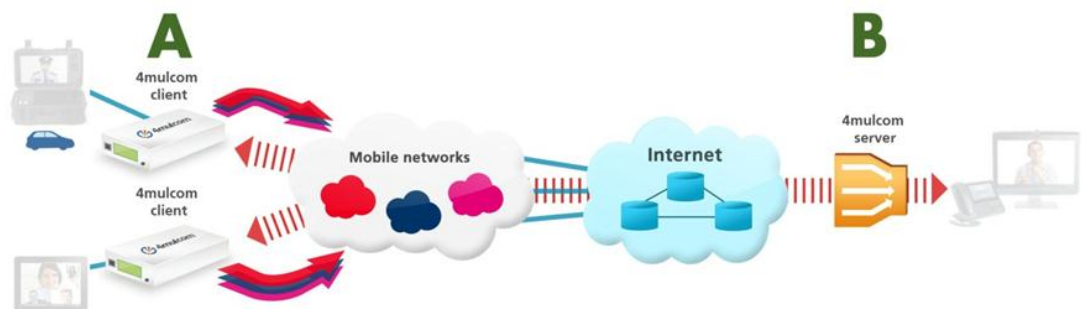
The server binds individual mobile connection into one thus becoming faster and more reliable and makes your VC units reachable by public IP addresses.

You can take advantage of our cloud service and no server is needed.

*Upon a request the server can be obtained as a virtual machine image.*

### Note

The 4mulcom solution supports any application that can benefit from a higher bandwidth and reliability when connected over several cell networks. Bear in mind that it was designed for one of the most demanding types of application, HD videoconferencing!



# Specification

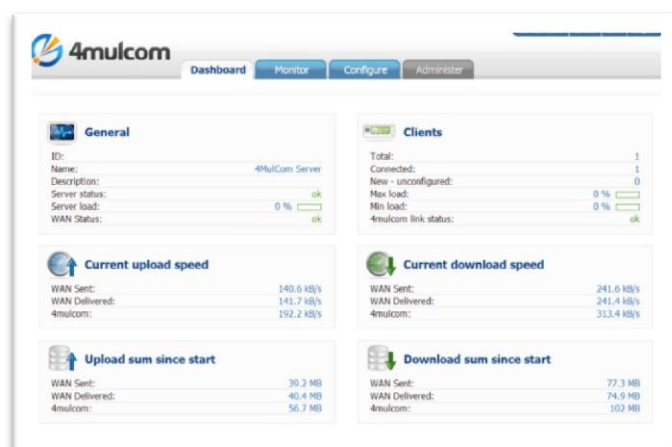
## 4mulcom Client

- Aggregates mobile connection bandwidths from several cellular operators
- Makes mobile connection much more reliable for business quality VC applications
- 4x built in modem 3G (UTMS rel. 7) and 2G (EDGE)
- 4x external antenna connector
- LCD status display
- 1x LAN
- 1x built in GPS receiver\*
- 1x external antenna connector for GPS\* (future applications)
- Power 12-36V DC (230VAC adapter or a lighter plug in a car)
- Durable aluminum case
- Dimensions 168x108x36mm



## 4mulcom Server

- Tunnels public IP addresses to a device behind the client
- User interface for the client for configuration and monitoring
- Shipped as image for VMware Server or VirtualBox
- HW requirements for 10 clients  
2GB RAM, 2GHz processor, 5GB HDD
- No Server is required when used as a cloud service



## Other supported applications

- Video surveillance
- Video broadcasting
- Internet connection for temporary offices at construction sites
- Internet access points at sport or cultural events
- Wifi hotspots in autobuses, yachts etc. when cellular coverage from operators varies

## Warranty

- 2 years manufacturer warranty

## Maintenance

- SW updates and upgrades
- Extended warranty
- Cloud service included

## Designed and manufactured in EU

CNC Prague

Na Vyhliďce 490, 252 42 Osnice, Czech republic

sales@cnc.cz, phone: +420 261 710 034 , video: 178.17.1.231, video room: collabora.eu #7169901