

## Features

- VDSL2 Modem
- Supports 100M in both direction
- Small Size : 160 x 110 x 35mm(WxDxH)
- Various Interface type
  - CO Line : RJ-11
  - LAN(PC) : RJ-45
  - Tel.(Phone) : RJ-11
- VDSL Specification
  - ETSI VDSL2 Standard
  - ITU ITU-T G.993.2
  - Line Coding : DMT
  - Standard profile support
  - Symmetric 4K FFT/IFFT engine
  - Backward compatibility to VDSL1 spec
  - Fully compliant VDSL2 standard
  - Dual Interleaver, Dual latency
  - 64/65 and HDLC support , including EFM pre-emption

## VDSL2 Modem

### C301N

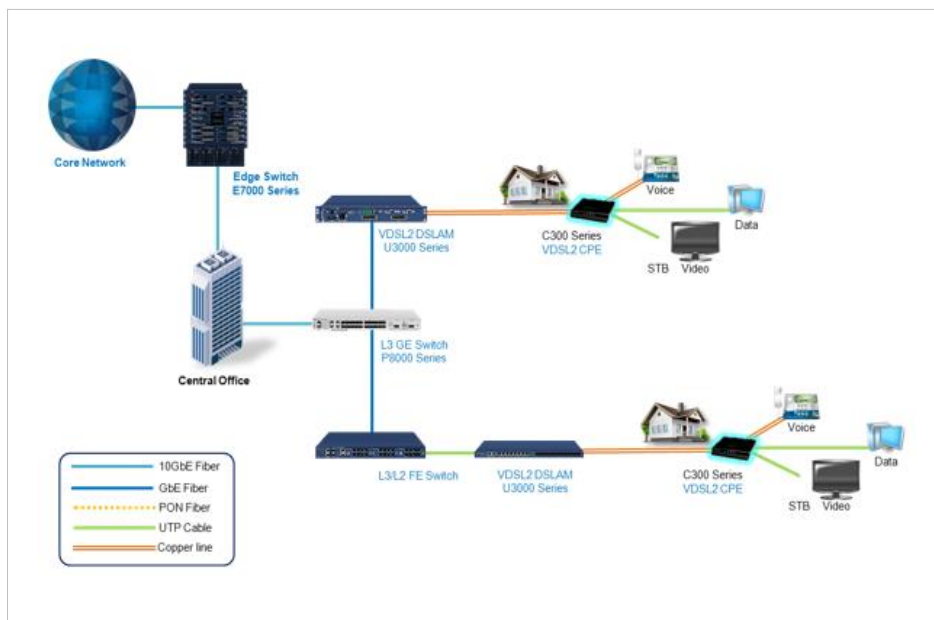


## System Overview

ubiQuoss C301N is a VDSL2 modem that provides high speed Internet, multimedia service, and file downloading and uploading services utilizing the existing PSTN. It allows users to use telephone while using these services.

C301N is easy to install and use for normal users. It provides subscribers in home, business area hotel, hospitals with high speed Internet access, Internet broadcasting, remote diagnosis, video conference, VoD, and provides data and call service using the same line as the existing telephone subscribers at the same time.

## Deployment Diagram



## ubiQuoss Inc.

68, Pangyo-ro, 255beon-gil,  
Bundang-gu, Seongnam-si,  
Gyeonggi-do, 463-400, Korea

TEL : +82-70-4865-0570

FAX : +82-31-8017-1184

URL : [www.ubiquoss.com](http://www.ubiquoss.com)

oversea.group@ubiquoss.com

# Specification

## Modem Specification

### System Architecture

- VDSL2 Modem
- Supports 100M in both direction

### Physical Dimension

- 160 x 110 x 35mm(W x D x H)

### Max. Transfer Rate

- Sync or Async
- Downlink : Max. 100Mbps
- Uplink : Max. 100Mbps

### Max. Transfer Distance

- 3Km (0.4mm F/S line, FTTCab M1applied, U0 : 25K ~276KHz not used)
- For CO use: FTTC mode
- For normal use: FTTC mode
- U0 band: Not use

### Modulation

- DMT(Discrete Multi-Tone)

## Environment Condition

### Power Input

- 5V, 2A

### Power Consumption

- Max. 7.5W

### Power

- Rated Input: AC 110 ~ 220V, 50/60Hz
- Rated Output: DC 5V / 2A

### Operating Temperature

- 0°C~ 40°C

### Operating Humidity

- 20 ~ 80%

### Storage Temperature

- -20°C~ 70°C

## Media Interfaces

### Interface Type

- CO Line : RJ-11
- LAN(PC) : RJ-45
- Tel.(Phone) : RJ-11

### Power Switch

- On, Off, Auot 3 step

### Surge

- Separate surge terminal to be connected

## VDSL Specification

### VDSL2 Standard

- ETSI VDSL2 Standard
- ITU ITU-T G.993.2
- Line Coding : DMT
- Standard profile support (8a/b/c/d, 12a/b, 17a, 30a)
- Symmetric 4K FFT/IFFT engine
- Backward compatibility to VDSL1 spec
- Fully compliant VDSL2 standard
- Dual Interleaver, Dual latency for TPS service
- 64/65 and HDLC support , including EFM pre-emption

ubiQuoss

Seamless Network Solution  
All IP Convergence  
Perfective Technology

The best partner of the main Internet Service Providers in Korea  
Best OAM (Operation, Administration, Maintenance) Support  
Many Experience of System Deployment