

VDSL2 CO/CPE Modem Managed

General Description

The RubyTech VC-400LT/RT Series is a VDSL2 Modem leverages the extraordinary bandwidth promise of VDSL2 (max. 200 Mbit/s full duplex symmetric) technology. The next step in the delivery of new high-speed Internet applications to end-users in their homes or offices.

Quick, easy and economical to install and maintain, the VC-400LT works with the VC-400RT over existing copper wire infrastructure. VC-400LT is a CO (Central Office) device. RubyTech VC-400 Series will allow operators worldwide to compete with cable and satellite operators by offering services such as HDTV, VOD, videoconferencing, high speed Internet access and advanced voice services including VoIP, over a standard copper telephone cable.

RubyTech VC-400 Series is seen by many operators as an ideal accompaniment to a FTTP rollout, where for instance fiber is supplied direct to an apartment block and from there copper cable is used to supply residents with high-speed VDSL2.

ITU-T G.993.2 VDSL2 is the newest and most advanced standard of DSL broadband wireline communications. Designed to support the wide deployment of Triple Play services such as voice, video, data, high definition television (HDTV) and interactive gaming, VDSL2 enables operators and carriers to gradually, flexibly, and cost efficiently upgrade existing xDSL-infrastructure.

ITU-T G.993.2 (VDSL2) is an enhancement to G.993.1 VDSL that permits the transmission of asymmetric and symmetric (Full-Duplex) aggregate data rates up to 200 Mbit/s on twisted pairs using a bandwidth up to 30 MHz. RubyTech VDSL2 Products are all standard compliant.

Key Features & Benefits

- Compliant with IEEE 802.3 & 802.3u Ethernet Standards
- Compliant with G993.2 VDSL2 standards
- Provides 4 x 10/100M auto-sensing RJ-45 Ethernet ports
- POTS / ISDN Splitter port RJ-11 x 1 (Splitter on board)
- VDSL2 RJ-11 port x 1
- Supports Bandwidth setup with symmetric 100 Mbit/s (200 Mbit/s full duplex)
- LED indicators: Power LED x1, Ethernet Link/Active LED x 4, VDSL Link LED x 1
- Supports auto speed for VDSL2 port
- Supports Web management(HTTP) & TFTP, Console(RS232)
- Supports PPPOE & uPnP (Plug & Play)
- Supports NAT/DHCP/DMZ with Firewall
- Supports Route & Switch mode
- Supports SNR indicator for check phone wiring quality.
- Support 8a, 8b, 8c, 8d, 12a, 12b, 17a, 17b, 30a band profile
- Support 997,998 band plan
- Provides surge protection for VDSL2 port



VC-400LT & VC-400RT VDSL2 Modem with Management

The real standard compliant VDSL2 solution

We Support fully ADSL (G992.1 Annex B) and ADSL+ (G992.5 Annex B) Standards with Long Reach Mode.

**Details under:
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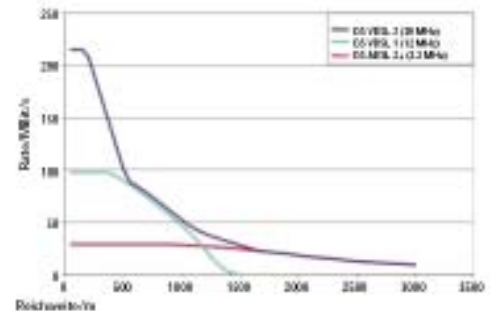
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Product Specification

- **Standard:** IEEE802.3, IEEE802.3u, Compliant G993.2 VDSL2
- **Interface:** 4 * RJ-45 10/100Mbps Ethernet port, 1 * RJ-11 connector for VDSL2, 1 * RJ-11 connector for POTS/ISDN device
- **Band Profile:** 8a, 8b, 8c, 8d, 12a, 12b, 17a, 17b, 30a
- **Band Plan:** 997, 998
- **Max. Bandwidth:** Symmetric 100 Mbit/s (200 Mbit/s full duplex)
- **LED indication:** Power LED, Link/Active Status for Ethernet port x 4, Link LED for VDSL port
- **Switch method:** Store and forward
- **Special features:** uPnP/PPPoE/NAT/DHCP/DMZ/Firewall
- **Console port:** RS-232C/115200 bit/s
- **Flow control:** Full duplex: IEEE 802.3x, Half duplex: Back pressure
- **Power Consumption:** 7.5W
- **Operating Temperature:** 0°C ~ 50°C
- **Storage Temperature:** -20°C ~ 65°C
- **Humidity:** 10 to 90% (non-condensing)
- **Dimensions:** 184 x 146 x 40 mm



VDSL Modem with RJ-11 Wall Outlet



Profile	8a	8b	8c	8d	12a	12b	17a	30a
Bandwidth (MHz)	8.832	8.832	8.5	8.832	12.	12.	17.664	30.
Tones	2048	2048	1972	2048	2783	2783	4096	3479
Tone Spacing (kHz)	4.3125	4.3125	4.3125	4.3125	4.3125	4.3125	4.3125	8.625
Line Power (dBm)	+17.5	+20.5	+11.5	+14.5	+14.5	+14.5	+14.5	+14.5

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