

## VC-300DM



### Features:

- Full wire speed performance
- Auto-negotiation with link partners
- Link fault pass through function
- Transparent to 802.1Q VLAN tagged packets
- Far end fault function on FX port
- Desktop, wall, DIN-rail mounting, and center chassis installation
- Bi-Di and CWDM options
- Loop Back Test function with connected remote media converter
- Indication of remote media converter's TP copper port status

### Description:

10/100Base-TX to 100Base-FX Media Converter, with simple management function. It is used to extend the connection distance between two Ethernet devices via fiber cable transparently with no performance degradation. The media converter is also featured with design to support center chassis installation.

### Specification:

STANDARDS	
IEEE	802.3(10Base-T), 802.3u (100Base-TX), 802.3u(100Base-FX)
Approval	FCC class B, CE class B

TRANSMISSION	
TP Port	Shielded RJ-45 jack, 10/100Mbps full/half duplex, auto MDI/MDI-X detection, auto negotiation
FX Port	ST, SC, MT-RJ, VF-45, connectors, 100Mbps full duplex, Far end fault function
Cable	Cat 5. UTP cable MMF – 62.5/125 $\mu$ m, 50/125 $\mu$ m SMF – 9/125 $\mu$ m
LED Indication	Power status TP Port: Link/Act, Speed, Duplex FX Port: Link/Act status, Fiber signal detected Remote TP Port: Link, Speed, Duplex status



VOKONN TECHNOLOGY LTD.  
 4F., NO.20, Alley 16 Lane 298, Hsin-Ming Rd., Nei-Hu, Taipei, 114, Taiwan, R.O.C.  
 Tel:+886-2-2796-8123 Fax:+886-2-2793-7996 E-mail: info@vokonn.com

[www.vokonn.com](http://www.vokonn.com)

DIP Switch	TP mode, TP duplex, TP speed, Link fault pass through, auto status report
Loop Back Test	Push button to start loop back test

PHYSICAL	
Operating Temperature	-5°C ~ 50°C
Storage Temperature	-20°C ~ 80°C
Operating Humidity	5% ~ 95% non-condensing
Operating Voltage	5 ~ 12 VDC
Power Consumption	Max. 2 Watts
Dimension	L108 x W72.5 x H23 (mm)

### Ordering Information:

## VC-300DM - X

X	Connector	Mode	Distance	Wavelength	Tx Power	Sensitivity	Rx Max.
T	Dual ST	MM	2 km	1310 nm	-19 ~ -14 dBm	-31 dBm	-14 dBm
C	Dual SC	MM	2 km	1310 nm	-19 ~ -14 dBm	-31 dBm	-14 dBm
EC	Dual SC	MM	2 km	1310 nm	-20 ~ -14 dBm	-31 dBm	0 dBm
JM	MT-RJ	MM	2 km	1310 nm	-19 ~ -14 dBm	-31 dBm	-14 dBm
VM	VF-45	MM	2 km	1310 nm	-20 ~ -14 dBm	-31 dBm	-14 dBm
SA2	Dual SC	SM	20 km	1310 nm	-15 ~ -8 dBm	-31 dBm	-7 dBm
SL2	Dual SC	SM	20 km	1310 nm	-15 ~ -7 dBm	-32 dBm	-3 dBm
SL3	Dual SC	SM	30 km	1310 nm	-15 ~ -8 dBm	-34 dBm	0 dBm
SL4	Dual SC	SM	40 km	1310 nm	-5 ~ 0 dBm	-34 dBm	-3 dBm
SL6	Dual SC	SM	60 km	1310 nm	-5 ~ 0 dBm	-35 dBm	0 dBm
SL7	Dual SC	SM	70 km	1310 nm	-3 ~ +3 dBm	-37 dBm	0 dBm
SL9	Dual SC	SM	90 km	1550 nm	0 ~ +5 dBm	-37 dBm	0 dBm
SL10	Dual SC	SM	100 km	1550 nm	3 ~ +3 dBm	-37 dBm	0 dBm
SL12	Dual SC	SM	120 km	1550 nm	0 ~ +5 dBm	-37 dBm	0 dBm
W3515	Bi-Di SC	SM	15~20 km	TX 1310 nm RX 1550 nm	-14 ~ -8 dBm	-31 dBm	0 dBm
W5315	Bi-Di SC	SM	15~20 km	TX 1550 nm RX 1310 nm	-14 ~ -8 dBm	-31 dBm	0 dBm
W3540	Bi-Di SC	SM	40 km	TX 1310 nm RX 1550 nm	-8 ~ 0 dBm	-34 dBm	0 dBm
W5340	Bi-Di SC	SM	40 km	TX 1550 nm RX 1310 nm	-8 ~ 0 dBm	-34 dBm	0 dBm



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CxxW40	CWDM SC	SM	40 km	TX 1xx0 nm RX 1100~1650 nm	-5 ~ 0 dBm	-35 dBm	0 dBm
CxxW80	CWDM SC	SM	80 km	TX 1xx0 nm RX 1100~1650 nm	0 ~ +5 dBm	-37 dBm	0 dBm