

**24V 1D DM**  
**CFL-RC01 Series**

**Video Add-Drop & Data Transceiver & Ethernet**  
**24Node Optical Ring Link w/NMS**



< Center : CFL-RC01 >



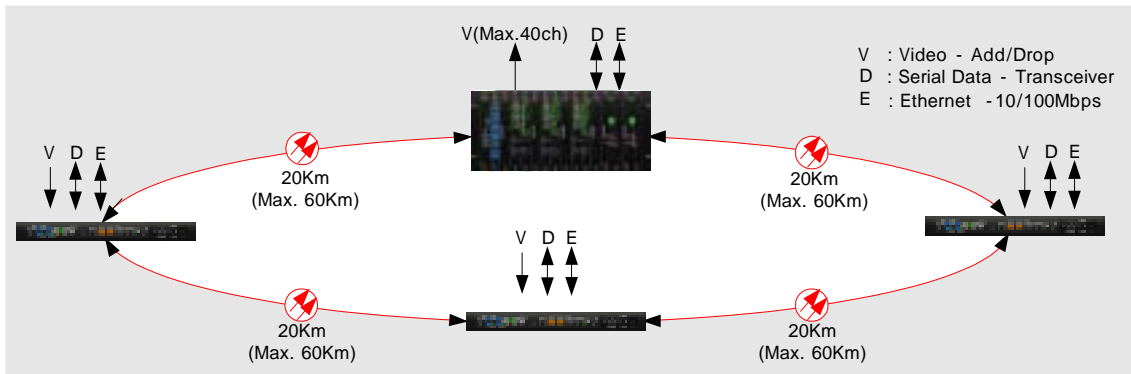
< Local : CFL-R101 >

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- Single Fiber(1Core) Optic Ring :
- Digital modulation, TDM,CWDM
- 24 Node, 40 Node
- 10/100Mbps Ethernet(Point To Point)
- LED
- Module A/S
- NMS



CFL-RC01 Series Optical Ring Link	Center	CFL-RC01(24Node)	CFL-
RE01(40Node) Local CFL-R101	, 1ch Add-Drop	1ch	, 1ch
Ethernet 24 Node	, 40 Node	.	.
Local CFL-R101 24Node	CFL-R101	1Core	20Km(80Km)
RT 10/100Mbps Ethernet Port	TCP/IP 가	Node	
COT			
Control Center 가 , 2	Chassis 19" 6U Height	16Slot	40Node
		, Hot-swapping	
NMS	Chassis Center Node , Node Node Center		

➤ **System**



## Cominet Fiber Optic Link

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< CFL-RC01 >



< CFL-R101 >

### ➤ Management System



### [COT]

- **NMU** : Network Management Unit
- **OMU-C** : 24Node Optical Main Unit
- **OMU-E** : 40Node Optical Main Unit
- **VMU** : Optical Video Link Receiver Unit
- **DMU** : Optical Data Link Transceiver Unit
- **OPE24** : Optical Protection Ethernet Unit
- **PSU1,2** : Power Supply Unit
- **CFL-N519162** : 19" Rack Mount 5U Height Chassis

### [RT]

- **ORT** : Optical Ring Link Transmitter Unit
- **ORU** : Optical Repeater Unit(40Node )
- **PSU** : Power Supply Unit( )
- **CFL-N119021** : 19" Rack Mount 1U Height Card Cage

- RS-232C, TCP/IP, Telnet
- Windows GUI Network
- Chassis Unit
- Chassis
- Log
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- Version
- Log
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- **FTMS**(Freeway Traffic Management System)
- **ITS**(Intelligent Transport System)
- **IBS**(Intelligent Building System)
- **Airports**
- **Factories**
- **Subways**
- **Railroads**
- **CCTV System**
- **Security System**

## Cominet Fiber Optic Link

### ➤ Specifications

Specifications	RT	COT
	CFL-R101	CFL-RC01
<b>Optical Specifications</b>		
Fiber Type	Single-Mode	
Number of Fiber	1 fiber	
Number of Nodes	Max.24	
Wavelength(nm)	CWDM (1310 ~1610nm)	
Max Distance(km)	20	480
Connector	FC(SC – Option)	SC(FC – Option)
<b>Video Input/Output Signal Specifications</b>		
Number of Channels	1	24
Video Input/Output Signal	1V <sub>p-p</sub> (75 Ohm) Composite (NTSC, PAL, SECAM, RS-170, CCIR)	
Bandwidth	5Hz ~ 10MHz	
Differential Gain	< 1%	
Differential Phase	< 1°	
Signal-Noise	> 65dB	
Chroma Gain	< 100% ± 10%	
Chroma Delay	< ± 40ns	
Connector	BNC	
<b>Data Input/Output Signal Specifications</b>		
Number of Channels	1	24
Data Interface	RS-232, RS-422, RS-485(Supporting Bi-phase, NRZ, Manchester coding)	
Operating Mode	Half/Full Duplex	
Data Rate	200Kbps	
Bit Error Rate	< 1/10 <sup>9</sup>	
Connector	RJ-45	
Signal Modulation	Digital Modulation	
<b>Ethernet Specifications</b>		
Number of Ports	1	24
Speed	10/100Mbps	
Duplex Mode	Half/Full Duplex	
Connector	RJ-45	
<b>Power Specifications</b>		
Input Voltage	110~230VAC	
Power Consumption(W)	35	
<b>Environment Specifications</b>		
Operating Temperature	-20°C ~ 70°C	-20°C ~ 65°C
Storage Temperature	-50°C ~ 85°C	
Humidity	0% ~ 95%(Non-Condensing)	
<b>Physical Specifications</b>		
Dimension(LxWxH)	Card Cage : 19" width, 1U height Chassis : 5U height	

\* Specification



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