

## Go-Link 7/8GHz、13/15GHz、18/23GHz Digital microwave equipment

### Molecular Formula



### Describe

Go-link 7-8G Digital microwave transmission equipment, capacity from 1E1 to 16E1 Interface can free composed within E1, 10Base-T, Use the interface protocol translator, can connect to any type interface. It is widely used to basestation connection, telecom infrastructure transmission line, power network, police network, oil network and army network etc. also used to emergent communication, forest, mine, anti-flood, large engineering and large meeting situations.

### Summery

GO-LINK digital microwave system is a family product of high quality and low cost. Telecom operators and private customers would benefit from its service access that other wired transmission systems can not accomplish. Its systems are applied broadly in enterprise access, base station backhaul, emergency communication, residential access and relay link interconnection. It is the product required by telecom operator and private customer for fast development in occupying the market.

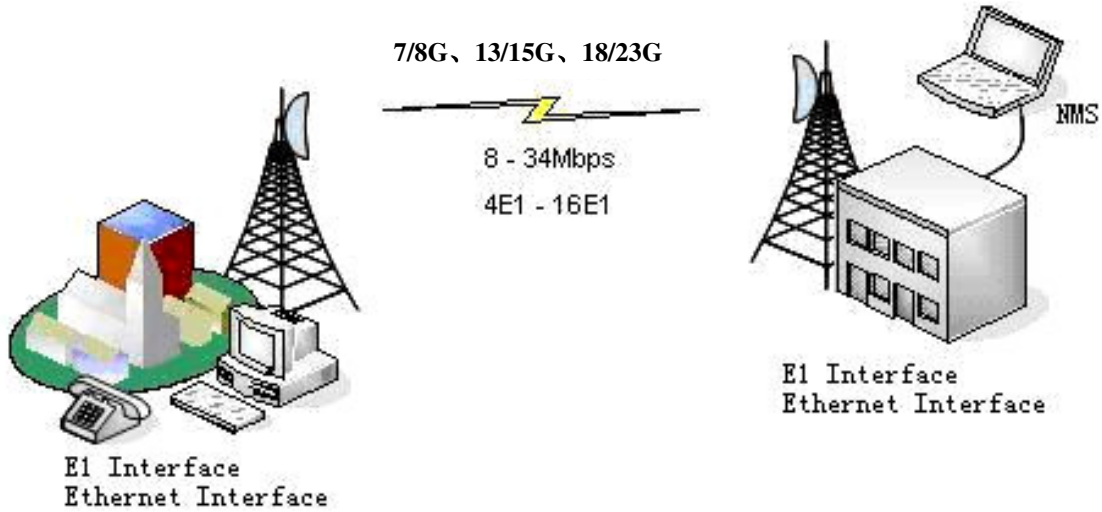
The frequency range of GO-LINK digital microwave transmission system is from 7GHz to 18GHz with flexible interface configurations to support 4/8/16 E1 capacity and Ethernet connection.

### Product main functions and features

- Self development and production, in conformity with ETSI 301
- Support 4E1-16E1 capacity demand of small capacity
- Provide simultaneously E1 and Ethernet port, manual and auto assignment
- Interface circuit independent design, flashboard structure, easy interface configuration and capacity expansion
- Support 1+1 system backup configuration to meet requirement of high reliability operation
- Integrated SNMP network management agent, to be adopted for remote management and non-attainable sites
- Embed monitoring system, operation condition to be monitored locally
- ODU to be integrated with antenna, high efficiency power, easy installation

- One coaxial cable connection between ODU and IDU, auto checking for receiving level, easy and fast installation and adjustment.

## Application



## Product Specification

### 1、Go-Link 7/8GHz Digital microwave equipment SPEC

System features	
Frequency	7-8GHz
Working Frequency	7.1-8.5 GHz
Standard	ETSI
T/R Spacing	160MHz
Band Width	7/14/28 MHz
Modulation	QPSK/16QAM
Capacity	4E1/8E1/16E1
Frequency stability	+/-5PPm
Transmitter	
Frequency	7-8GHz
Output power	27dBm
ATPC Range	22dB
Receiver	
Frequency	7-8GHz
Sensitivity	(BER=1X10 <sup>-6</sup> ) -88/-85/-82 dBm
AGC Range	60dB
Digital Interface	
Standard	ITU G.703
Interface Type	75 Ω Unbalance
Data Rate	4E1/8E1/16E1
Ethernet Interface	RJ45
Auxiliary and Management Interface	
NMS protocol	SNMP option
Ethernet Interface	100/10Base_T/RJ45
ODU Lin k	Coaxial Cable, TDD Remote Control
Power Supply	
Input voltage	-48VDC/220VAC(Optional)
Consumption	<30W/-48VDC
Application Environment	
IF unit	0 — +50°C
RF unit	-30 — +70°C
Humidity	95%, no frost
Storage temperature	-55 — +125°C
Others	
Backup Mode	1+0, 1+1 Option

## 2、Go-Link 13/15GHz Digital microwave equipment SPEC

<b>System features</b>		
Frequency	13GHz	15GHz
Working Frequency	12.75-13.25GHz	14.4-15.35 GHz GHz
Standard	ETSI	ETSI
T/R Spacing	266MHz	420MHz
Band Width	7/14/28 MHz	7/14/28 MHz
Modulation	QPSK/16QAM	QPSK/16QAM
Capacity	4E1/8E1/16E1	4E1/8E1/16E1
Frequency stability	±5PPm	±5PPm
<b>Transmitter</b>		
Frequency	13GHz	15GHz
Output power	25dBm	25dBm
ATPC Range	22dB	22dB
<b>Receiver</b>		
Frequency	13GHz	15GHz
Sensitivity	(BER=1X10 <sup>-6</sup> ) -88/-85/-82 dBm	(BER=1X10 <sup>-6</sup> ) -88/-85/-82 dBm
AGC Range	60dB	60dB
<b>Digital Interface</b>		
Standard	ITU G.703	ITU G.703
Interface Type	75ΩUnbalance	75ΩUnbalance
Date Rate	4E1/8E1/16E1	4E1/8E1/16E1
Ethernet Interface	RJ45	RJ45
<b>Auxiliary and Management Interface</b>		
NMS Protocol	SNMP Option	SNMP Option
Ethernet Interface	100/10Base_T/RJ45	100/10Base_T/RJ45
ODU Link	Coaxial Cable, TDD Remote Control	Coaxial Cable, TDD Remote Control
<b>Power Supply</b>		
Input Voltage	-48VDC/220VAC (Option)	-48VDC/220VAC (Option)
Consumption	<30W/-48VDC	<30W/-48VDC
<b>Application Environment</b>		
IF Unit	0 — +50℃	0 — +50℃
RF Unit	-30 — +70℃	-30 — +70℃
Humidity	95%, No Frost	95%, No Frost
Storage Temperature	-55 — +125℃	-55 — +125℃
<b>Others</b>		
Backup Mode	1+0, 1+1 Option	1+0, 1+1 Option

### 3、Go-Link 18/23GHz Digital microwave equipment SPEC

System features		
Frequency	18GHz	23GHz
Working Frequency	17.7-19.7 GHz	21.2-23.6 GHz
Standard	ETSI	ETSI
T/R Spacing	1120MHz	1232MHz
Band Width	7/14/28 MHz	7/14/28 MHz
Modulation	QPSK/16QAM	QPSK/16QAM
Capacity	4E1/8E1/16E1	4E1/8E1/16E1
Frequency Stability	±5PPm	±5PPm
Transmitter		
Frequency	18GHz	23GHz
Output Power	23dBm	23dBm
ATPC Range	22dB	22dB
Receiver		
Frequency	18GHz	23GHz
Sensitivity	(BER=1X10 <sup>-6</sup> ) -88/-85/-82 dBm	(BER=1X10 <sup>-6</sup> ) -88/-85/-82 dBm
AGC Range	60dB	60dB
Digital Interface		
Standard	ITU G.703	ITU G.703
Interface Type	75Ω Unbalance	75Ω Unbalance
Dater Rate	4E1/8E1/16E1	4E1/8E1/16E1
Ethernet Interface	RJ45	RJ45
Auxiliary and Management Interface		
NMS Protocol	SNMP Option	SNMP Option
Ethernet Interface	100/10Base_T/RJ45	100/10Base_T/RJ45
ODU Link	Coaxial Cable, TDD Remote Control	Coaxial Cable, TDD Remote Control
Power Supply		
Input Voltage	-48VDC/220VAC(Optional)	-48VDC/220VAC(Optional)
Consumption	<30W/-48VDC	<30W/-48VDC
Application Environment		
IF Unit	0 — +50℃	0 — +50℃
RF Unit	-30 — +70℃	-30 — +70℃
humidity	95%, No Frost	95%, No Frost
Storage Temperature	-55 — +125℃	-55 — +125℃
Others		
Backup mode	1+0, 1+1 Option	1+0, 1+1 Option

## Antennas

Provide most type antennas for the system: wired antenna, disk antenna, etc.

## Feeder, Antenna & Test cable

All system accessories are provided.

## Integrated service access system

This system can access voice, data, fax, video service integrated. Embedded voice, data and video switcher, can realise to enlarge capacity of voice line, STM voice signal to IP voice signal translate for most low cost call (use normal traditional telephone equipment, software IP translating), soft-switch and soft switching access integrated. It's best choice for middle or small company, school, hotel and county!

## E1/16E1 impedance translator

**Molecular Formula:**



Translate between 120 ohm E1 balance interface (RJ45 connectors) and 75 ohm E1 unbalance interface (BNC connectors)