

## 1. Technical parameters

Serial number	Project	Technical parameters	
		Downlink	Uplink
1	Frequency range	851MHz-866MHz	806MHz-821MHz
2	Maximum output power	37±2dBm	-10±2dBm
3	Maximum gain	50±2dB	50±2dB
4	Gain adjustment range/step length	30dB/1dB	
5	Gain adjustment error	Gain at 0 to 20dB, the error is 1dB, and at 21 to 30dB, the error is 1.5dB	
6	Noise figure	/	≤5dB
7	Maximum allowable input level	10dBm	-10dBm
8	Automatic Level Control (ALC)	At the maximum power, the input is increased by another 10dB, the output power change is less than 2dB, and when the input signal level exceeds 10dB, the output power is kept within the maximum output power of .2dB or the output is turned off. The control range is 20dB.	
9	Within-band fluctuations	≤3dB	
10	Input/output voltage station ratio	≤1.5	
11	Delay	≤5μs	
12	Frequency error	≤5×10 <sup>-8</sup>	
13	Stray launch	Inside the working band	≤-50dBc/30kHz 或 ≤-36dBm/3kHz
		Out-of-work band ( off-line working band edge 2.5MHz )	9kHz~1GHz: ≤-36dBm 1GHz-12.75GHz:--30dBm
14	Intermodulation attenuation	Inside the working band	≤-50dBc/30kHz      ≤-50dBc/30kHz
		Out-of-work band ( off-line working band edge 2.5MHz )	9kHz-1GHz:--36dBm/100kHz 1GHz-12.75GHz:---30dBm/1MHz
15	Light reception sensitivity	≤-15dBm	
16	Light wavelength	1310nm/1550nm	
17	Optical power	3±2dBm	

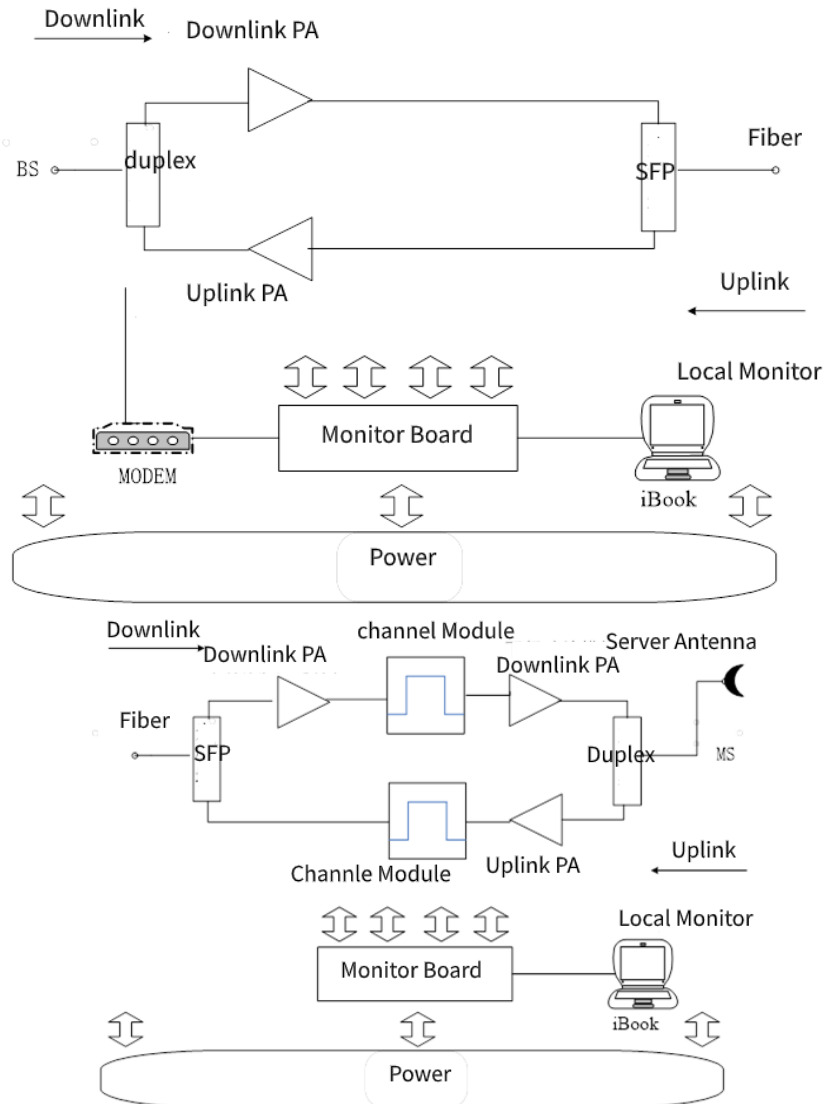
18	Light transmission distance	≥20km
19	The number of near and far ends is ratio	1 todrag 4 as needed
20	Rf connection	N/F,50
21	How light is connected	FC/PC
22	Power supply	Near-end machine: AC220V . . . 20%, 50 to 5Hz; Remote machine: AC220V , 50 x 5Hz;
23	Power	Near-end machine: s20W; Remote machine: s180W;
24	Protection level	Near-end: IP40 Remote machine: IP65
25	Dimensions	Near-end machine: 483 x 310 x (L x W x H)88mm Indoor remote machine: 483 x 400 x (L x W x H)180mm Outdoor remote machine: 453 x 357 x (L x W x H)160mm
26	Weight	Near-end machine: 8kg Indoor remote end machine:25kg Outdoor type remote machine: 25kg
27	Monitoring	Local monitoring: RS232; Remote monitoring: Ethernet
28	MTBF	50000h

➤ Near-end machine (indoor)

- Each near-end machine can connect at least 2-4 remote machines (as needed) without the use of optical power dividers;
- Installed in a 19-inch standard cabinet, depth is not greater than 550mm, height is not greater than 4U;
- Power power is not greater than 300W, power cord length is not less than 2m;
- Fiber optic connector using FC/PC, up and down common; ;

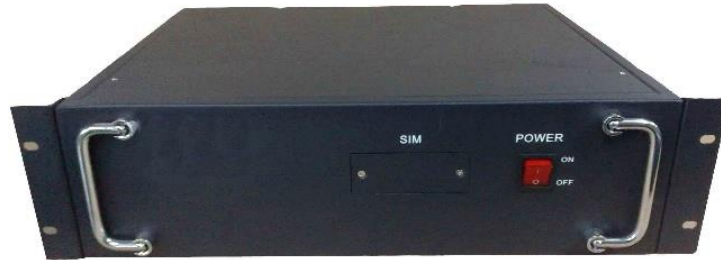
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- The network management interface uses RJ45, the standard Ethernet interface;
  - THE RF INTERFACE USES THE N-F INTERFACE, WHICH IS SHARED UP AND DOWN;
  - Remote machine (indoor)
    - Installed in a 19-inch standard cabinet, the depth is not greater than 550mm, the height is not greater than 6U;
    - Power power is not greater than 400W, power cord length is not less than 2m;
    - Fiber optic connector using FC/PC, up and down common; ;
    - THE RF INTERFACE USES THE N-F INTERFACE, WHICH IS SHARED UP AND DOWN;
  - Remote machine (outdoor)
    - Installed outdoors to meet IP65 waterproof and dust-proof standards;
    - The form factor (including mounting bracket) is not greater than 600mm x 300mm x 500mm (high x thick x width);
    - Power range to meet 176-264VAC, power supply power is not greater than 400W, power cord length is not less than 2m;
    - Fiber optic connector using FC/PC, up and down common, need to be configured with special waterproof 纤 fiber;
    - THE RF INTERFACE USES THE N-F INTERFACE, WHICH IS SHARED UP AND DOWN;

## 1 Chart of principle



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## 2 Chassis Appearance



Near-end machine form map



Remote machine (outdoor) form map



Far-end machine (indoor) form map