Introduction

1.1 Product Description

ATA341 is a broadband access device designed to meet the needs of users for multiple business integration.

ATA341 is based on the Ethernet technology mature and stable, high cost performance, combined with 802.11n wireless technology (1T1R), L2 Ethernet switching technology and high quality VoIP technology, high reliability, easy management and good quality of service (QoS) guarantees, etc.

Figure 1　G/EPON 1GE+WiFi ONU

1.2 Product categories

Product model	Product specification
ATA341	1FE(Uplink)+4FE+1POTS+WiFi

Table 1 Product categories

Access the world
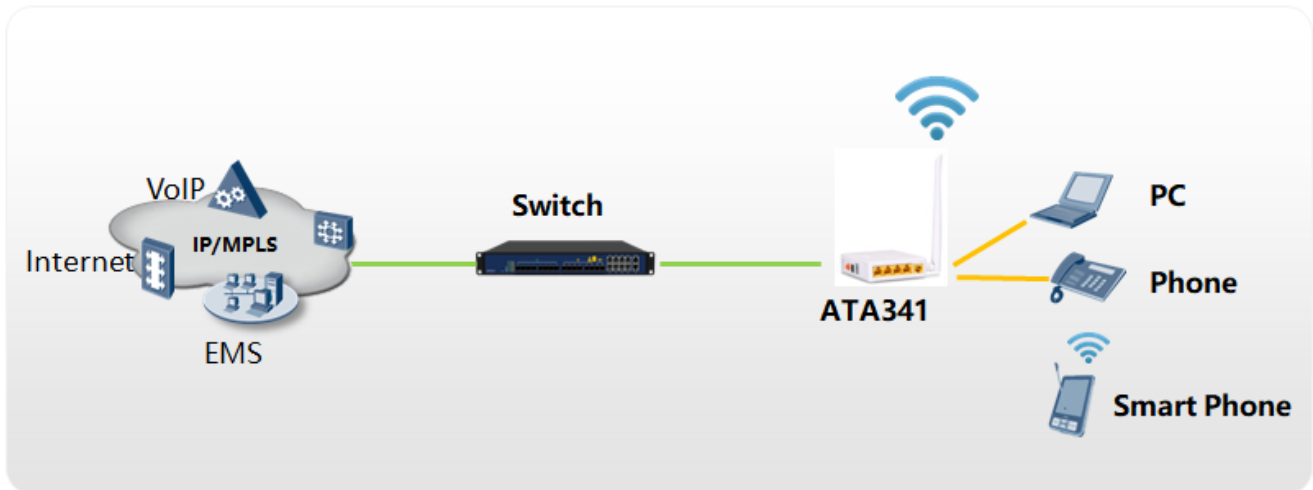
1.3 Application Chart

Figure 2   Application Chart

1.3 Technical parameters

Technical item	1FE(Uplink)+4FE+1POTS+WiFi
LAN interface	1 x 10/100Mbps auto adaptive Ethernet interfaces(Uplink), 4 x 10/100Mbps auto adaptive Ethernet interfaces(LAN).10/100M Full/Half, RJ45 connector
WiFi interface	Compliant with IEEE802.11b/g/n Operating frequency: 2.400-2.4835GHz support MIMO, rate up to 150Mbps 1T1R,1 external antenna 5dBi Support: multiple SSID Channel:13 Modulation type: DSSS、CCK and OFDM Encoding scheme: BPSK、QPSK、16QAM and 64QAM
LED	10, For Status of POWER、WAN、LAN(1~4)、PHONE、WLAN、WPS、USB
Operating condition	Temperature: 0℃～+50℃ Humidity: 10%～90%（non-condensing）
Storing condition	Temperature : -30℃～+60℃ Humidity :10%～90%（non-condensing）
Power supply	DC 12V/1A
Power consumption	≤8W
Dimension	100mm×92mm×28mm（L×W×H）
Net weight	0.14Kg

Table 2 Technical parameters

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1.4 Panel lights

LED	Mark	Status	Description
Power	POWER	On	The device is powered up.
		Off	The device is powered down.
POTS	PHONE	Blink	PHONE is working.
		Off	PHONE is not working.
WPS	WPS	Blink	WPS is working.
		Off	WPS is not working.
USB	USB	On	Insert U disk.
		Off	Not insert U disk.
Registration	REG	On	The device is registered to the PON system.
		Off	Device is not registered to the PON system.
		Blink	Device registration is incorrect.
Interface (WAN、LAN1~LAN4)	LINK/ACT	On	Port is connected properly (LINK).
		Off	Port connection exception or not connected.
		Blink	Port is sending or/and receiving data (ACT).
WiFi	WLAN	On	WiFi running.
		Off	WiFi not working.

Table 3 Panel lights on

1.6 Interface description

Port Type	Function
WAN、LAN1~LAN4	Connect device with ethernet port by RJ-45 cat5 cable.
POTS	Connect PHONE.
RST button	Press down reset button and keep1-5seconds to make the device restart and recover from the factory default settings.
WiFi button	WiFi function ON and OFF.
WPS button	WiFi WPS function.
USB	Connect U disk.
Power ON/OFF	Power on and Power off
DC12V	Connect with power adapter.

Table 4 Interface description

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1.7 Software Key Feature

Software Key Feature	
Software mode	Routing and Bridging mode.
WiFi	IEEE802.11b/g/n(TX power:17dBm/16dBm/15dBm) WiFi Authentication : WEP/WAP-PSK(TKIP)/WAP2-PSK(AES)
Firewall	DDOS, Filtering Based on ACL/MAC/URL.
Layer2	802.1D&802.1ad bridge, 802.1p Cos, 802.1Q VLAN.
Layer3	IPv4/IPv6, DHCP Client/Server , PPPoE, NAT , DMZ ,DDNS.
Multicast	IGMP v1/v2/v3 , IGMP snooping.

POTS	G.711/G.726/G.729 codec T.30/T.38 Fax mode
	DTMF Relay Line testing according to GR-909
	VoIP protocol: SIP
	Voice enhancement:
	    Local exchange
	    Dynamic voice jitter buffering
	    Silence detection
	    Echo offset
	    Loss compensation

Security	Flow & Storm control, Loop Detection.
O&M	WEB/TELNET/TR069.

Table 5 Software Key Feature

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