

# All-in-One Hybrid MediaGateway



## STB

CPU ARM Cortex A9 1GHz  
Flash: 4GB eMMC  
RAM: 1GB DDRIII  
3D Graphic Engine  
Hardware Java Acceleration  
OpenGL ES2.0 / 1.1 / 1.0  
H.264 1080p HD  
TV Standards: NTSC / PAL  
Aspect Ratio: 16:9 / 4:3

## DVB-S2

- F-type IEC 169-24 Female
- Input Freq.: 950~2150MHz
- Input Signal Level: -65dBm ~ -25dBm
- Input / Output Impedence:75Ω

## Demodulator

- Demodulation: QPSK / 8PSK
- Channel Bandwidth: 6, 7, 8 MHz

## Symbol Rate

- DVBS: 2-45Ms/s
- DVB-S2: 10/30Ms/s (QPSK), 10~31Ms/s (8PSK)

## FEC Mode

- DVB-S: Auto
- DVB-S2: Auto (QPSK/8PSK)

## O/S Android 4.0x

HTML 4.01 / part of HTML5

DRM: Verimatrix IP & Web View Right Client

Friendly Graphical User Interface for ONT Advanced settings Configuration



## ONT

CPU: MIPS 34Kec 750Mhz

Flash: 32MB

RAM: 1GB DDRII

Wavelength: 1490nm DS / 1310nm US

Support Class B+: 13-28dB

Type B protection (ONT compatibility)

ITU-T G.984.1, 984.2, 984.3, 984.4

ITU-T G.988 Dual-managed ONU support

ITU-T G.988 A.3.33 (time synchronization) support

IEEE 802.1p, 802.1Q, 802.3, 802.u, 802.x, 802.3z

IPv4 / IPv6

### QoS

- Strict Priority

- Weighted Round-Robin Priority

- IGMP v1, v2, v3

### PPPoE

NAT / NAT / HNAT

Static / Dynamic Route

DHCP Server / Client

OMCI Channel Management

VEIP Mapping

CLI Telnet Management

TR-069 / TR-142

Loopback Test

Remote FW Upgrade - FTP / OMCI Channel

VoIP (SIP)

EAP-SIM - 3G Offloading

3G/4G/LTE Backup WAN Support

UPS Power Backup

## Security

- AEC128/192/256 Encryption per Port-ID
- IEEE 802.1x Port Authentication
- Firewall & Filter

## WiFi

- IEEE 802.11a/b/g/n Dual Band Dual Concurrent
- Frequency Band:
  - 2.4GHz HT20/40
  - 5GHz HT20/40
- Operation Channels
  - 2.4GHz Ch1~13
  - 5GHz Complying DFS Standard
- WiFi Encryption: WEP / WPA / WPA2
- WiFi Protect Setup (WPS) PBC & PIN

## Regulatory & Certifications

- CE
- DFS
- 802.11n
- HDMI 1.4
- DHCP 1.2
- Dolby Digital Plus
- Verimatrix DRM View Right Client

## Operation

- Temperature: 0~45°C
- Operation Humidity: <90%
- Storage Temp.: -20°C ~ 70°C
- Power Consumption: 12V2A DC (24W Max)



## HW Interface

### Front Panel:

Standby x1  
WPS x1

### Right SidePanel:

SD Slot x1

### Left Side Panel:

Reset x1  
USB (3G/4G Offloading) x1

### Rare Panel:

Power On/Off  
GPON SC/APC x1  
RJ45 GbE x4  
FXS x2  
HDMI x1  
USB x2 (External Storage / RF RCU Receiver)  
CVBS x1 (R/L + Video)  
SPDI/F (Optical)  
RF Rx / Tx (pass through) - DVB-S/S2

### LED Indicators:

Standby x1  
Internet x1  
LAN x4 (Tri-color for speed 10/100/1000Mbps indication)  
VoIP (FXS) x2  
USB (3G/4G/LTE Offloading) x1  
WiFi 2.4G x1  
WiFi 5G x1  
WPS x1  
REC (HDD) x1  
OLED x1 (Date / Time / Channel)