



OmniHub 16



OmniHub 6



OmniHub 6D



OmniHub 6RFX

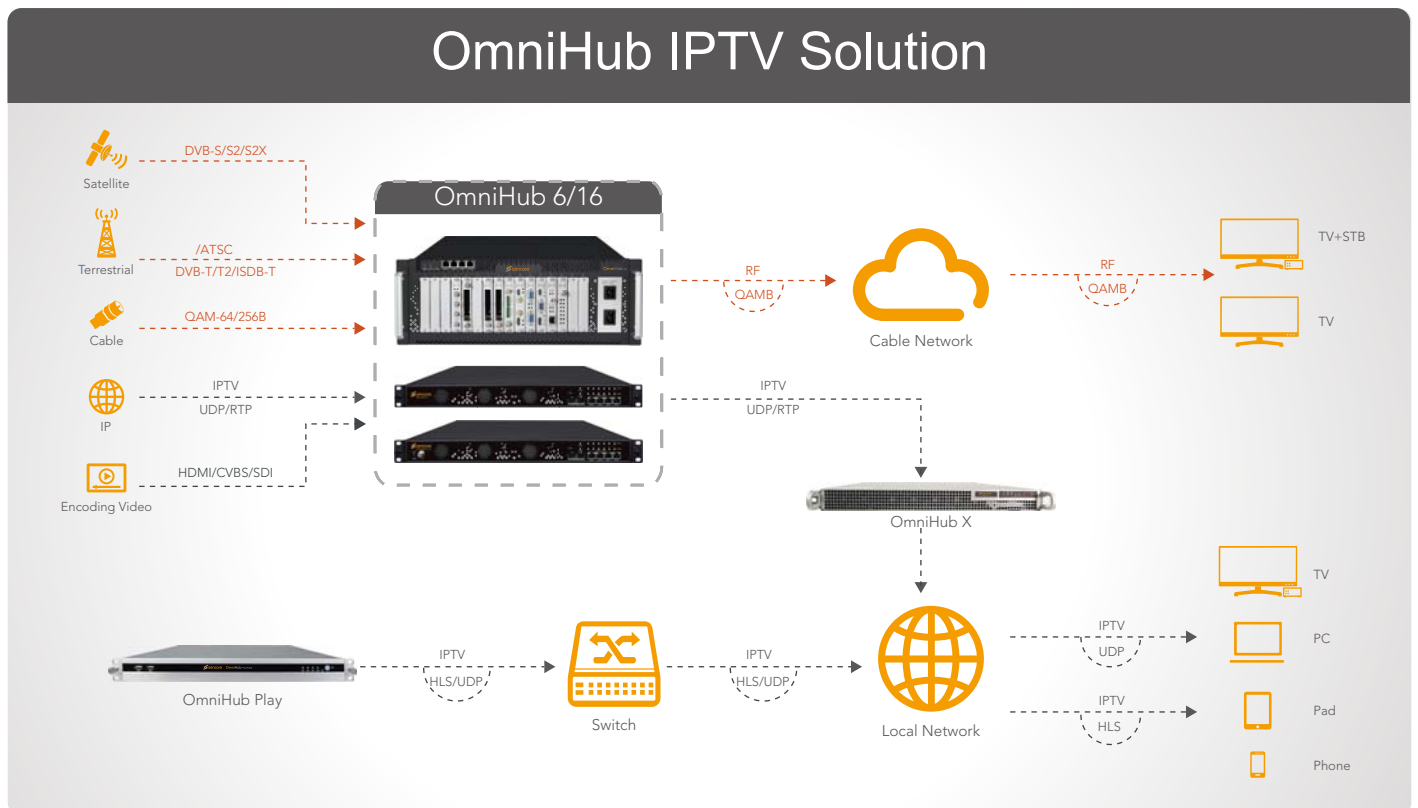
INTRODUCTION

OmniHub 6/16 is the next generation of modular video processing by Sencore. There are two chassis sizes available accommodating up to 16 modules in a 4RU rack space, or 6 modules in a 1RU rack space. Using a built-in IP switch and diverse range of hot-swappable input/output options, OmniHub 6/16 is a highly flexible solution perfect for a variety of applications including Hospitality, Education, Government, MDU, and more.

Offering an excellent balance of performance VS value, the Omnihub 6/16 is ideal for dense multi-channel encoding, signal reception, digital turn around, and simultaneous IPTV + QAM distribution without an excessive price tag. Backed by a US based support team and a intuitive Web-Interface, the OmniHub platform is easy for any organization to deploy and operate.

| CHASSIS PART NUMBERS | RU SIZE | MAXIMUM MODULES | POWER SUPPLIES | CHASSIS PORTS |
|----------------------|---------|-----------------|----------------|---|
| OMNIHUB-16-02 | 4RU | 16 | 2 | 2 MGMT, 2DATA |
| OMNIHUB 6-02 | 1RU | 6 | 1 | 2 MGMT, 4 DATA (2x SFP, 2RJ45) |
| OMNIHUB 6D-02 | 1RU | 6 | 2 | 2 MGMT, 4 DATA (2x SFP, 2RJ45) |
| OMNIHUB 6RFX-02 | 1RU | 6 | 1 | 2 MGMT, 4 DATA (2x SFP, 2RJ45), 1RF (front) |

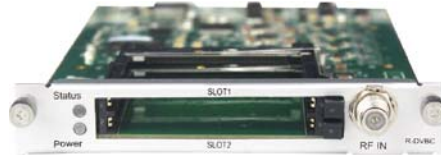
APPLICATION



| Chassis |
|---|
| 4RU with 16 slots for hot-swappable modules 1RU with 6 slots for hot-swappable modules |
| Dual redundant power supplies |
| Service-level multiplexing |
| 4 x Gigabit RJ45, 2 SFP (embedded): <ul style="list-style-type: none"> • MPEG TS over UDP/RTP multicast/unicast SPTS/MPTS • Max. 120 inputs and 120 outputs |
| Total bitrate 350Mbps of throughput (700Mbps aggregated IN+OUT) VBR and CBR support |

| Physical & Environment | |
|-------------------------------|--|
| Input Voltage | 100~240 VAC/50-60Hz |
| Power Consumption | 1RU: 400W 4RU: Max. 360 |
| Chassis Dimension (W x H x D) | 480mm x 44mm x 430mm (18.90" x 1.73" x 16.93"), 1 RU 480mm x 177mm x 345mm (18.90" x 6.97" x 13.58"), 4RU |
| Operating Temperature | 0°C~40°C (32°F ~ 104°F) |
| Storage Temperature | -10°C~70°C (14°F ~ 174.2°F) |
| Operating Humidity | <95% |
| MTBF | ≥100,000 hours |

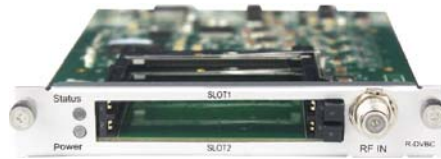
SPECIFICATIONS



OHR6-DVBC-00

| DVB-C | |
|-------------------|---|
| Input | 4 channels via 1 RF female connector |
| CI | 2 x PCMCIA CI slots |
| CAM | Descrambled channel quantity depends on CAM capability, 2 CAMs could be different |
| QAM Mode | Annex A/C |
| Frequency Range | 47~862MHz |
| Bandwidth | 6/7/8MHz |
| Constellation | 16QAM/32QAM/64QAM/128QAM/256QAM |
| Symbol Rate | 3.6~6.952Ms/s |
| Signal Level | 40~80dBuV |
| CA System | Supports mainstream CAS |
| Power Consumption | Max. 9.5W |

| DTMB | |
|-------------------|---|
| Input | 4 channels via 1 RF female connector |
| CI | 2 x PCMCIA CI slots |
| CAM | Descrambled channel quantity depends on CAM capability, 2 CAMs could be different |
| Modulation Mode | TDS-OFDM |
| Frequency Range | 47~862MHz |
| Constellation | 4QAM-NR/4QAM/16QAM/32QAM/64QAM |
| Signal Level | -65~-25dm |
| CA System | Supports mainstream CAS |
| Power Consumption | Max. 9.5W |



OHR6-DVBC-ISDBT-01

| DVBC Annex B | |
|-------------------|---|
| Input | 4 channels via 1 RF female connector |
| CI | 2 x PCMCIA CI slots |
| CAM | Descrambled channel quantity depends on CAM capability, 2 CAMs could be different |
| QAM Mode | Annex B |
| Frequency Range | 47~862MHz |
| Bandwidth | 6MHz |
| Constellation | 64QAM, 256QAM |
| Symbol Rate | 5.057Ms/s (64QAM) 5.360Ms/s (256QAM) |
| Signal Level | 40~80dBuV |
| CA System | Supports mainstream CAS |
| Power Consumption | Max. 9.5W |

| ISDB-T | |
|-------------------|---|
| Input | 4 channels via 1 RF female connector |
| CI | 2 x PCMCIA CI slots |
| CAM | Descrambled channel quantity depends on CAM capability, 2 CAMs could be different |
| Frequency Range | 177.143-863.143 MHz |
| Bandwidth | 6/8MHz |
| Constellation | DQPSK, QPSK, 16QAM, 64QAM |
| FEC | 1/2, 2/3, 3/4, 5/6, 7/8, Automatic |
| Signal Level | -80~-20dBm |
| CA System | Supports mainstream CAS |
| Power Consumption | Max. 9.5W |

SPECIFICATIONS



OHR6-DVBS2FTA-01

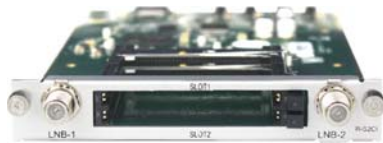
| DVB-S/S2/S2X | |
|-------------------|---|
| Input | C/Ku Band, 4 channels via 4 RF female connectors |
| LNB Power | Independent power supplies for each LNB |
| LNB Voltage | 13V/18V |
| LNB Current | Max. 400mA |
| Constellation | DVB-S: QPSK DVB-S2: QPSK, 8PSK, 16APSK, DVB-S2X: QPSK, 8PSK, 16APSK, 32APSK, 64APSK |
| Frequency Range | 950~2150MHz |
| Signal Level | -70~-20dBm |
| Roll-off Factor | 0.15, 0.20, 0.25, 0.35 |
| Symbol Rate | DVB-S: 1~45Msps DVB-S2: 1~45Msps DVB-S2X: 1~34 Msps |
| FEC | DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8 DVB-S2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 DVB-S2X: 11/15, 7/9, 4/5, 5/6 (Normal FEC FECFRAME) |
| Power Consumption | Max. 38W |



OHR6-DVBS2FTA-01A

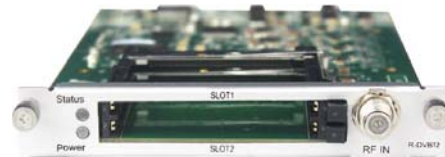
| DVB-S/S2/S2X | |
|-------------------|---|
| Input | C/Ku Band, 8 channels via 8 RF female connectors |
| LNB Power | Independent power supplies for each LNB |
| LNB Voltage | 13V/18V |
| LNB Current | Max. 400mA |
| Constellation | DVB-S: QPSK DVB-S2: QPSK, 8PSK, 16APSK, DVB-S2X: QPSK, 8PSK, 16APSK, 32APSK, 64APSK |
| Frequency Range | 950~2150MHz |
| Signal Level | -70~-20dBm |
| Roll-off Factor | 0.15, 0.20, 0.25, 0.35 |
| Symbol Rate | DVB-S: 1~45Msps DVB-S2: 1~45Msps DVB-S2X: 1~34 Msps |
| FEC | DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8 DVB-S2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 DVB-S2X: 11/15, 7/9, 4/5, 5/6 (Normal FEC FECFRAME) |
| Power Consumption | Max. 70W |

Notes: If 2 or 3 modules are needed in the same chassis, please contact your sales.



OHR6-DVBS2CI-01

| DVB-S/S2/S2X | |
|-------------------|---|
| Input | C/Ku Band, 4 channels via 2 RF female connectors CH1 & CH2 via LNB-1 CH3 & CH4 via LNB-2 |
| LNB Power | Independent power supplies for each LNB |
| LNB Voltage | 13V/18V |
| LNB Current | Max. 400mA |
| CI | 2 x PCMCIA CI slots |
| CAM | Descrambled channel quantity depends on CAM capability, 2 CAMs could be different |
| Constellation | DVB-S: QPSK DVB-S2: QPSK, 8PSK, 16APSK DVB-S2X: QPSK, 8PSK, 16APSK, 32APSK, 64APSK |
| Frequency Range | 950~2150MHz |
| Signal Level | -70~-20dBm |
| Roll-off Factor | 0.15, 0.20, 0.25, 0.35 |
| Symbol Rate | DVB-S: 1~45Msps DVB-S2: 1~45Msps DVB-S2X: 1~34 Msps |
| FEC | DVB-S: 1/2, 2/3, 3/4, 5/6, 7/8 DVB-S2: 1/2, 3/5, 2/3, 3/4, 4/5, 5/6, 8/9, 9/10 DVB-S2X: 11/15, 7/9, 4/5, 5/6 (Normal FEC FECFRAME) |
| CA System | Supports mainstream CAS |
| Power Consumption | Max. 22W |



OHR6-DVBT2CI-00

| DVB-T/T2 | |
|-------------------|---|
| Input | 4 channels via 1 RF female connector |
| CI | 2 x PCMCIA CI slots |
| CAM | Descrambled channel quantity depends on CAM capability, 2 CAMs could be different |
| Frequency Range | 47~862MHz |
| Bandwidth | 6/7/8MHz |
| Constellation | DVB-T: QPSK/16QAM/64QAM DVB-T2: QPSK/16QAM/64QAM |
| Guard Interval | DVB-T: 1/4, 1/8, 1/16, 1/32 DVB-T2: 1/128 |
| FFT Size | DVB-T: 2K, 8K DVB-T2: 8K, 16K, 32K |
| Signal Level | -80~-20dBm |
| CA System | Supports mainstream CAS |
| Power Consumption | Max. 8W |

SPECIFICATIONS



OHR6-8VSB-00

| 8VSB | |
|-------------------|--------------------------------------|
| Input | 4 channels via 4 RF female connector |
| Frequency Range | 50~860MHz |
| Bandwidth | 6MHz |
| Modulation | 8VSB |
| Signal Level | -80~-20dBm |
| Power Consumption | Max. 9.5W |



OHE6-SDI-01

| SDI | |
|-------------------|--|
| Input | 2 channels via 2 SDI SDI via BNC connector |
| Video | H.264/AVC HD: MP/HP@L4.0, SD: MP/HP@L3.0 MPEG-2 SD: MP @ML HD: MP@HL |
| Resolution | SD: 576i25, 480i29.97 HD: 1080p-25/30/50/59.94/60 1080i-25, 29.97, 30 720p-50/60 * The maximum output resolution is 1080i30. |
| Bitrate Control | CBR |
| Bitrate | 800 ~18,000Kbps |
| GOP Structure | IBBP, IPPP, IBP |
| GOP Size | 6~63 |
| Audio | MPEG-1 Layer II, AC3, AAC |
| Audio Mode | Stereo (2.0, including downmix) Audio Pass through |
| Audio Processing | 2 x audio services / PIDs |
| Sampling Rate | 48kHz |
| Power Consumption | Max. 16W |



OHE6-HDMI-02C

| HDMI | |
|-------------------|--|
| Input | 2 channels via 2 HDMI or 2 component Female connectors (HDMI1.4) CC/Component input via DB15 port |
| Video | H.264/AVC HD: MP/HP@L4.0, SD: MP/HP@L3.0 MPEG-2 SD: MP @ML HD: MP@HL |
| Resolution | SD: 576i25, 480i29.97 HD: 1080p-25/30/50/59.94/60 1080i-25, 29.97, 30 720p-50/60 * The maximum output resolution is 1080i30. |
| Bitrate Control | CBR |
| Bitrate | 1,000~18,000Kbps |
| GOP Structure | IBBP, IPPP, IBP |
| GOP Size | 6~63 |
| Audio | MPEG-1 Layer II, AC3, AAC |
| Audio Mode | Stereo (2.0, including downmix) Audio Pass through |
| Sampling Rate | 48kHz |
| Power Consumption | Max. 16W |



OHE6-HDMI-02

| HDMI | |
|-------------------|--|
| Input | 2 channels via 2 HDMI Female connectors (HDMI1.4) CC via RCA connector |
| Video | H.264/AVC HD: MP/HP@L4.0, SD: MP/HP@L3.0 MPEG-2 SD: MP @ML HD: MP@HL |
| Resolution | SD: 576i25, 480i29.97 HD: 1080p-25/30/50/59.94/60 1080i-25, 29.97, 30 720p-50/60 * The maximum output resolution is 1080i30. |
| Bitrate Control | CBR |
| Bitrate | 1,000~18,000Kbps |
| GOP Structure | IBBP, IPPP, IBP |
| GOP Size | 6~63 |
| Audio | MPEG-1 Layer II, AC3, AAC |
| Audio Mode | Stereo (2.0, including downmix) Audio Pass through |
| Sampling Rate | 48kHz |
| Power Consumption | Max. 16W |

SPECIFICATIONS



OHE6-HDMI-R01

| HDMI | |
|-----------------------|--|
| Input | 4 channels via 4 HDMI female connectors (HDMI 1.4) |
| Video | H.264/AVC HD: MP/HP@L4.0 SD: MP/HP@L3.0 MPEG-2 SD: MP@ML |
| Resolution | SD: 576i25, 480i29.97 HD: 1080p-25/30/50/59.94/60 1080i-25, 29.97, 30 720p-50/60 * Output resolution supports up to 1920 x 1080p30 |
| Bitrate Control | CBR |
| Video Bitrate | 600~12,000Kbps |
| GOP Structure | IBBP, IPPP, IBP |
| GOP Size | 1-60 |
| Aspect Ratio | Automatic or Manual |
| Audio | MPEG-1 Layer II, AC3 (optional), AAC (optional) |
| Audio Bitrate | 96~192Kbps |
| Audio Mode | Stereo (2.0, including downmix) |
| Audio Sampling Rate | 48kHz |
| Audio Volume Leveling | -20dB~20dB |
| Power Consumption | Max. 12W |



OHE6-HDMI-06

| HEVC | |
|-----------------------|--|
| Input | 4 channels via 4 HDMI female connector (HDMI 1.4) |
| Video | H.264/AVC HD: MP/HP@ L4.0/4.1/4.2/5.0/5.1/5.2 H.265/HEVC HD: MP(High Tier)@L4.0/4.1/4.2/5.0/5.1/5.2 |
| Resolution | Input: 1080i-25/29.97/30, 1080P-25/29.97/30/50/59.94/60, 720P-50/59.94/60 Output: 1080P-25/29.97/30/50/59.94/60, 720P-50/59.94/60 |
| Bitrate Control | CBR |
| Video Bitrate | 600Kbps-12Mbps |
| GOP Structure | IPPP, IBBP |
| Aspect Ratio | 16:9 |
| Audio | MPEG-1 Layer II, AC3 (optional), AAC (optional) |
| Audio Bitrate | 32~192 Kbps |
| Audio Mode | Stereo |
| Audio Sampling Rate | 48KHz |
| Audio Volume Leveling | -20dB~20dB |
| OSD Overlay | 2 x Logo/QR code overlay (40 x 40 to 256 x 256) Or 1 x static OSD overlay |
| Power Consumption | Max.20W |

Notes: OHE6-HDMI-06 will forcefully output 4 HD programs with same video resolution which follows the largest video resolution among the input source, SD encoding is not supported. Max output resolution is 1080p60 for 2 channel encoding, 1080p30 for 4 channel encoding



OHE6-CVBS-00

| CVBS | |
|-----------------------|--|
| Input | 6 channels via 2 DB15 connector each DB15 for 3 channels 2 x RCA-DB15 adaptor cables come along with module |
| Video | H.264/AVC SD: MP/HP@L3.0 MPEG-2 SD: MP@ML |
| Resolution | SD: 576i25, 480i29.97 |
| Bitrate Control | CBR |
| Bitrate | 1,000~6,000Kbps |
| GOP Structure | IBBP, IPPP, IBP |
| GOP Size | 15 |
| Audio | MPEG-1 Layer II |
| Audio Bitrate | 64~384Kbps |
| Audio Mode | Stereo (2.0, including downmix) |
| Audio Sampling Rate | 48kHz |
| Audio Volume Leveling | 0dB~8dB |
| Power Consumption | Max. 17W |



OHE6-CVBS-03

| CVBS | |
|----------------------|---|
| Interface | 2 channels via 2 CVBS CVBS via BNC connector |
| Video | H.264/AVC SD: MP/HP@L3.0 MPEG-2 SD: MP @ML |
| Bitrate Control | CBR |
| Bitrate | 800~20,000Kbps |
| GOP Structure | IBBP, IPPP, IBP |
| Audio | MPEG-1 Layer II, AC3, AAC |
| GOP Size | 18-48 |
| Resolution | SD: 576i50, 480i59.94 |
| Audio Mode | Stereo (2.0, including downmix) |
| Sampling Rate | 48kHz |
| Closed Caption Input | Support |
| Power Consumption | Max. 16W |

SPECIFICATIONS



OHE6-CVBS-R01

| CVBS | |
|-----------------------|--|
| Input | 16 channels via 4 DB15 connectors, each DB15 for 4 channels 4 x RCA-DB15 adaptor cables come along with module |
| Video | H.264/AVC SD: MP/HP@L3.0 |
| Resolution | SD: 576i25, 480i29.97 |
| Bitrate Control | CBR |
| Bitrate | 600~6,000Kbps |
| GOP Structure | IPPP |
| GOP Size | 1~60 |
| Audio | MPEG-1 Layer II |
| Audio Bitrate | 32~192Kbps |
| Audio Mode | Stereo (2.0, including downmix) |
| Sampling Rate | 48kHz |
| Audio Volume Leveling | -20dB~20dB |
| OSD Overlay | Text, Image, QR Code |
| Power Consumption | Max. 18W |

* Does NOT support PAL-N



OHP6-IP-00

| IP | |
|--|--|
| Network | 1 x Internal port, 100/1000M 3 x External RJ45 ports, 100/1000M |
| HDMI | 1 x HDMI 2.0 port Connect to LCD Monitor |
| USB | 1 x USB 2.0 port Connect to external USB Hub for keyboard/mouse/USB DVD drive |
| Input Protocols | UDP/RTP/HLS/SRT/RIST/Zixi |
| Output Protocols | UDP/RTP/SRT/RIST/Zixi |
| Processing Capability For Typical Applications | Up to 20 Streams/Gateways HLS to UDP – 150mbps of throughput SRT/RIST/ZIXI to UDP – 150mbps of throughput UDP to SRT/RIST/ZIXI – 150mbps of throughput, max 70 sessions |
| Number of Gateways | Default: 10 Streams/Gateways, UDP/RTP/HLS input, UDP/RTP output Notice: Additional license are required to support more gateways and network protocols |
| Power Consumption | Max. 16W |



OHP6-IP-02

| IP | |
|-------------------|--|
| Ethernet | 2 x RJ45, 100/1000Base-T |
| Input | UDP/RTP via Unicast/Multicast |
| Output | UDP/RTP via Unicast/Multicast |
| Channels | DATA 1: 120 input & output DATA 2: 120 input & output |
| Effective Bitrate | Total bitrate 700Mbps throughput |
| Power Consumption | Max. 16 W |



OHP6-IP-02-SFP

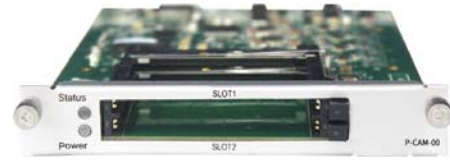
| IP | |
|-------------------|--|
| Ethernet | 2 x SFP, 100/1000Base-T |
| Input | UDP/RTP via Unicast/Multicast |
| Output | UDP/RTP via Unicast/Multicast |
| Channels | DATA 1: 120 input & output DATA 2: 120 input & output |
| Effective Bitrate | Total bitrate 700Mbps throughput |
| Power Consumption | Max. 16 W |

SPECIFICATIONS



OHP6-ASI-00

| ASI | |
|------------------------------|--|
| Connector | 5 x bidirectional ASI ports, BNC female |
| Bit rate | 500Kbps to 150Mbps |
| Reception/ Transmission mode | Byte mode(Continuous mode) |
| Packet Length | 188 Bytes or 204 Bytes |
| Working mode | 3 ASI input ports, 2 ASI output ports by default, each port can be redefined as ASI input or ASI output port |
| Multiplexing | Support PSI/SI or PSIP table regeneration PID filtering External PID insertion |
| Power Consumption | Max. 12 W |



OHP6-CAM-00

| CI | |
|-------------------|---|
| Standard | EN 50221 |
| Interface | 2 x PCMCIA CI slots |
| CAM Scrambling | Support Xcrypt CAMCAS |
| CAM Descrambling | Supports mainstream CAS Descrambled channel quantity depends on CAM capability, 2 CAMs could be different |
| Power Consumption | Max. 6W |



OHP6-EAS-00

| EAS | |
|-------------------|---|
| Input | Digital EAS input (SCTE-18) via 1 x RJ45 port Analogue EAS input via 3PIN contact closure CVBS input via 1 x RCA connector Audio L/R input via 2 x RCA connector TS input via 1 x BNC connector |
| Video | H.264 SD: MP/HP@L3.0 MPEG-2 SD: MP @ML (By default) |
| Resolution | SD: 480i/59.94 |
| ASI | 500Kbps to 100Mbps |
| Contact Closure | 3PIN Connector with Dry Contact or 5~24V DC input for EAS trigger |
| RJ45 | 10/100M Ethernet for SCTE-18 digital EAS input |
| Bitrate Control | CBR |
| Bitrate | 5,00~8,000Kbps |
| GOP Structure | IBBP, IPPPP, IBP |
| GOP Size | 6~63 |
| Audio | MPEG-1 Layer II, AC3, AAC |
| Audio Mode | Stereo (2.0, including downmix) |
| Sampling Rate | 48kHz |
| Power Consumption | Max. 5.5W |



OHP6-EIT-00

| Encoding | |
|--------------------------------------|---|
| Input | DVB-S/S2/S2X/T/T2/C/ISDB-T/DTMB/IP |
| Output | QAM/OFDM/ISDB-T/DTMB/IP |
| Standard | DVB standard |
| Processing Capability | 32 TS stream input, 16 TS stream output Up to 100 services depending on the EIT complexity of signal source |
| Content Processing | Automatic update for Original Network ID, TS ID and Service ID |
| EIT Table Generation | EIT table with PID 18 will be generated after the processing |
| TDT/TOT Table | TDT/TOT table with PID 20 will be passed through to the output |
| EIT Enable/Disable Control | Module Level, TS Level, Service Level |
| Supported EIT Module in Each Chassis | 1 |
| Status Display | Service name and service list Signal source and output module EIT multiplexing success/failure display at service level |
| Configuration | Configuration can be exported and imported to the module |
| Software Upgrade | Web-based software upgrade |
| Log | Support Enable/Disable control, Live logging and log file export |
| License | License control is available for authorization time control |
| Management | |
| Web-based Management | Yes |
| Power Consumption | Max. 5W |

SPECIFICATIONS



OHP6-IPTV-00



OHX6-TXS-00

| System | |
|---|--|
| IPTV solution for centralized management of Android-based set-top boxes | |
| Physical Ports | |
| Network | 2 x external RJ45 ports, 100/1000M 1 x Internal port, 100/1000M |
| HDMI | 1 x HDMI 1.4 port Connect to LCD Monitor |
| Inputs | |
| Input Protocols | UDP/RTP/HLS |
| IP Addressing | Unicast, Multicast, OTT URL |
| IGMP Support Version | 1, 2, and 3 |
| IP Encapsulation | 1 to 7 TS Packets per IP Packet |
| Outputs | |
| Interface | RJ45, 100/1000M Auto-Negotiate |
| Output Protocols | UDP/RTP/HLS/MPEG-DASH |
| Power Consumption | Max. 48W |

* Note: OHP6-IPTV-00 modules can be installed only in OMNIHUB 6-02/6D-02/6RFX-02.

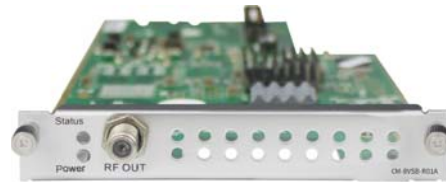
| Physical Ports | |
|-----------------------|---|
| Network | 2 x external RJ45 ports, 100/1000M 1 x Internal port, 100/1000M |
| HDMI | 1 x HDMI 1.4 port Connect to LCD Monitor |
| Audio | |
| Input Audio format | Mpeg-1 Layer II, AAC 2.0 and 5.1, AC-3 2.0 and 5.1, E-AC3 2.0 and 5.1 |
| Output Audio format | Mpeg-1 Layer II, AAC 2.0 and 5.1, AC-3 2.0 and 5.1, E-AC3 2.0 and 5.1 |
| Audio Process | Up to 4 audio pids per video Pass-through supported |
| Video | |
| Input Video Decoding | Video format: Mpeg-2/H.264/H.265 Video resolution: 576i25, 480i29.97, 720P50/60, 1080i25/29.97/30, 1080P25/30/50/59.94/60 Video bitrate: 1 to 40Mbps Network protocol: UDP, RTP, unicast, multicast |
| Output Video Encoding | Video format: Mpeg-2/H.264/H.265 Video resolution: 576i25, 480i29.97, 720P50/60, 1080i25/29.97/30, 1080P25/30/50/59.94/60 Video bitrate: 1 to 20Mbps Network protocol: UDP, RTP, unicast, multicast |
| Downscale | HD to SD video resolution |
| Closed Captions | CEA/EIA-708 Closed Caption passed through |
| DVB Subtitle | DVB subtitle passed through |
| Power Consumption | Max. 48W |

* Note: OHX6-TXS-00 modules can be installed only in OMNIHUB 6-02/6D-02/6RFX-02.



OHM6-QAMA-03

| QAMA | |
|-------------------|---|
| Output | 8 agile frequencies via 1 RF female connector 75Ω |
| Standard | ITU-T J.83 Annex A/C |
| Frequency Range | 47~862MHz, non adjacent |
| Bandwidth | 8MHz |
| Constellation | 16QAM/32QAM/64QAM/128QAM/256QAM |
| Symbol Rate | 3.6~6.9 Ms/s |
| Output Level | Max. 105dBμV |
| MER | ≥32dB |
| Power Consumption | 8CH: Max. 23W |



OHM6-8VSB-R01/R01A

| 8VSB | |
|-------------------|---|
| Output | 4/8 frequencies via 1 RF female connector 75Ω |
| Standard | ATSC A/35 |
| Frequency Range | 50~860 MHz |
| Bandwidth | 6MHz |
| Constellation | 8VSB |
| Output Level | Max. 105dBμV |
| MER | ≥40dB |
| Power Consumption | 4CH: Max. 12W; 8CH: Max. 14W |

SPECIFICATIONS



OHM6-QAMB-03

| QAMB | |
|-------------------|---|
| Output | 8 frequencies via 1 RF female connector 75Ω |
| Standard | ITU-T J.83 Annex B |
| Frequency Range | 47~862MHz, non adjacent |
| Bandwidth | 6/7/8 MHz |
| Constellation | 4QAM/256QAM |
| Symbol Rate | 5.057MBaud: 64QAM 5.361MBaud:256QAM |
| Output Level | Max. 108dBμV |
| MER | ≥40dB |
| Power Consumption | Max. 23W |



OHM6-OFDM-03

| OFDM | |
|-------------------|---|
| Output | 8 agile frequencies via 1 RF female connector 75Ω |
| Standard | ETSI EN 300744 |
| Frequency Range | 47~862MHz |
| Bandwidth | 6/7/8MHz |
| Constellation | QPSK/16QAM/64QAM |
| Guard Intervals | 1/4, 1/8, 1/16, 1/32 |
| FFT Size | 2K, 8K |
| Code Rates | 1/2, 2/3, 3/4, 5/6, 7/8 |
| Output Level | Max. 105dBμV |
| MER | ≥32dB |
| Power Consumption | 8CH: Max. 27W |



OHM6-QAMB-R00

| QAM | |
|-------------------|--|
| Output | 16 agile frequencies via 1 RF female connector 75Ω |
| 1 x RJ45 | Reserved for scrambling |
| Standard | ITU-T J.83 Annex B |
| Frequency Range | 47~862MHz |
| Bandwidth | 6MHz |
| Constellation | 64QAM/256QAM |
| Symbol Rate | 3.6~6.9Ms/s |
| Output Level | Max. 106dBμV |
| MER | >40dB |
| Power Consumption | Max. 28W |

SPECIFICATIONS



OHM6-QAMA/B-02



OHM6-ISDB-T-03

| IPQAM | |
|-----------------------|---|
| IP input | 2x100/1000Mbps ports |
| IP Encapsulation | MPEG TS over UDP/RTP |
| MPEG TS | MPTS and SPTS |
| I/O Processing | Up to 512 channels either via 2xGbE input |
| Addressing | Unicast and multicast |
| IGMP Version | IGMP v2, IGMP v3 |
| QAM Output | |
| Output | 1xRF port, max 16/32 agile channels QAM modulation |
| Standard | ITU-T J.83 Annex A/B/C |
| QAM Constellation | 64/256 QAM, configurable for each frequency |
| Symbol Rate | 3.6~7Mbauds |
| Output Level | 90dBuV~115dBuV according to modulation frequency quantity |
| Output Range | 57~858MHz |
| Bandwidth | 6/7/8MHz |
| MER | ≥43dB (equalized) |
| PCR Correction | Support |
| Multiplexing | |
| Table Supported | SI/PSI |
| PID Processing | Pass-through, remapping, filtering |
| EIT Processing | Pass-through |
| External Data | EPG, PID and SI insertion |
| Scrambling | |
| Interface | 1x100/1000 Mbps port |
| Scrambling Algorithms | CSA |
| SCS | Internal |
| CAS Connections | Up to 4 different CA systems |
| Supported CAS | Support major CA systems |
| Max. TS rate | 1.6Gbps |
| EMM Bitrate | Up to 3Mbps |
| Power Consumption | Max. 45W |

| ISDB-T | |
|-------------------|--|
| Output | 8 agile frequencies via 1 RF female connector, 75Ω |
| Standard | ETSI EN 300744 |
| Frequency Range | 47-862MHz |
| Bandwidth | 6MHz |
| Constellation | QPSK, 16QAM, 64QAM |
| Transmission Mode | 2K |
| RS Code | RS(204.188) |
| FEC | 1/2, 2/3, 3/4, 5/6, 7/8 |
| Guard Interval | 1/4, 1/8, 1/16, 1/32 |
| Hierarchy Mode | Layer A |
| Segment Mode | Full Seg |
| Output Level | Max. 105dBuV |
| MER | ≥42dB |
| Power Consumption | Max. 23W |

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