

Q866 SMB INTERNET RADIO TRANSCODER



PRODUCT INFORMATION

The Q866 SMB Internet Radio Transcoder is the perfect solution for all small and medium service operators to include streamed webradio stations into OTT and cable networks.

You can include virtually any radio station in the world into your (local) cable network.

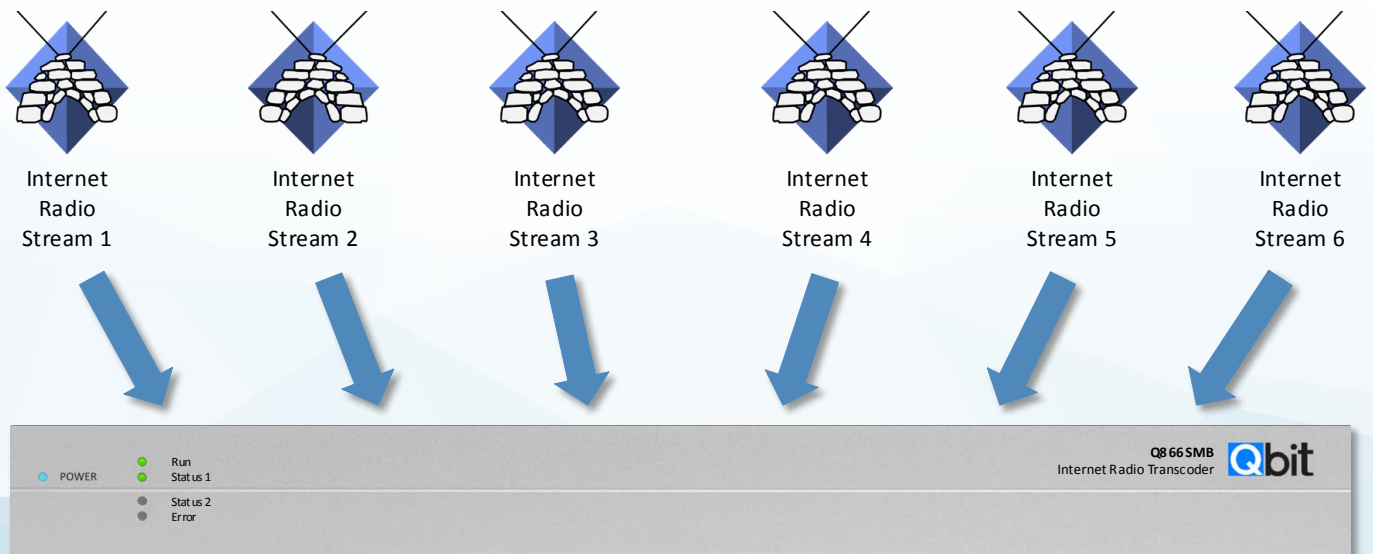
It converts up to 6 internet radio stations (Icecast/Shoutcast) into a DVB compliant MPEG-2 transport stream.

The signals are available via IP (ethernet).

Our goal at Qbit is to maintain highest standards in build and signal quality.

Low power consumption and the compact design in industry standard dimensions (19", 1 U) allow easy integration of the device into your infrastructure.

Our embedded technology avoids time consuming updates and upgrades.



WEBRADIO 2 CABLE

EMBEDDED SYSTEM - NO COMPUTER

INTERNET RADIO INPUT

DVB TRANSPORT STREAM OUTPUT

Q866 SMB INTERNET RADIO TRANSCODER

FEATURES

- small scale solution
- no annual upgrades or maintenance required - „set and forget“
- transcoding of multiple internet radio stations into DVB compliant transport streams
- receives Icecast/Shoutcast streams (MP3 / AAC)
- high security - WAN port (for Icecast) is separated from streaming unit and management
- several compression algorithms
 - MPEG 1 Layer II
 - AAC
- compression algorithm can be set individually per radio station
- all bit rates are supported according to the respective standards
- 32kHz, 48kHz sampling rate
- Meta data Tags are converted into UECP data
- 2 years warranty

APPLICATIONS

- feeding internet radios into digital networks
- Cable Networks
- OTT Networks
- Hospitals
- Hotels
- Cruise Ships

MANAGEMENT AND CONTROL

The Q866 SMB Internet Radio Transcoder can be managed conveniently via the integrated web interface with all common web browsers.

The device can be monitored and managed via SNMP. Configurable alarms automatically inform your systems about errors and events.

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SPECIFICATIONS

Web Radio Receiver (Input)

- 2, 4 or 6 internet radio stations (upgradeable via software)
- input format: MP3, AAC (32kHz, 48kHz)
- Icecast/Shoutcast
- 1 backup stream per streaming service

Transcoder (Output):

Compression Algorithms:

- MPEG-1/2 Layer II (ISO/IEC 1172-3, 13818-3)
- MPEG-2 AAC (ISO/IEC 13818-7)
- MPEG-4 AAC LC, AAC LD, HE-AAC, HE-AAC V2 (ISO/IEC 14496-3)

Bit Rate:

- all bit rates are supported according to the standards of the respective algorithms

Sampling Rate:

- 32kHz, 48 kHz

Metadata:

- Metadata (Icecast / ID3 / AAC tag) are converted into UECP data

Transport Protocols:

- via IP:
 - Output of DVB MPEG-2 transport streams including service information according to ETSI EN 300 468, compliant to „Pro-MPEG Code of Practice #3 release 2“ (FEC optional, see below)
- Transport via RTP (over UDP), pure UDP is possible
- FEC (Pro-MPEG compliant)

Network Interfaces:

- 3 separate Ethernet interfaces (IEEE 802.3, RJ45, 10/100/1000MBit/s)
 - streaming (WAN) input
 - data output (Transport Stream via IP)
 - management (web interface, SNMP and ancillary data)
- additional DATA interface (for redundant streaming)

System Configuration, Control and Monitoring:

- via Ethernet with web browser
- via Ethernet with SNMP

Monitoring:

- internet radio status and meta data
- encoder status
- system status (voltages, temperature)
- all monitoring data can be accessed via web interface or SNMP

Power Supply:

- integrated switching power supply, input voltage: 100 to 240 V +-10%, 50 to 60 Hz
- -48V DC power supply
- power consumption: <30W
- redundant power supply
The optionally available redundant power supply protects the operation of the device and comes with the following functions:
 - measurement of the power supply voltages, values are provided via web GUI or SNMP
 - SNMP trap generation on power supply fail
 - activation of switching contacts on power supply fail
 - automatic switch-over in case of power supply fail

Housing:

- dimensions: 19" rack mount cabinet, 1U (483mm x 360mm x 44mm (w/d/h))
- weight: 4,5 kg

Environment:

- operation temperature: 0°C to 45°C
- storage temperature: -20°C to 70°C
- humidity: 20% to 90%, non-condensing

Key: ● Default ○ Options

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ORDERING OPTIONS

Q866 SMB INTERNET TRANSCODER

Q866 SMB 2 Ch	Transcoder for 2 Internet Radio Stations
Q866 SMB 4 Ch	Transcoder for 4 Internet Radio Stations
Q866 SMB 6 Ch	Transcoder for 6 Internet Radio Stations
	channel upgrades available in 2-channel steps (software upgrade)

SIMILAR PRODUCTS

Q866 Enterprise Internet Radio Transcoder (8 to 48 channels)	
Q561 IP Audio Encoder	Q565 FM DVB Transcoder
Q561-DVB IP Audio Encoder	Q567 DAB+ DVB Transcoder

SUPPORT OPTIONS

We are convinced of the high quality of our products. Hence, we are granting 2 years warranty without making compromises.

For the time after that, we offer affordable subsequent contracts. For optimal support and for software updates and upgrades we offer budget-friendly support contracts.

- 2 years hardware warranty
- hardware warranty extension up to 10 years
- Service Contract Basic (Updates, Email support)
- Service Contract Advanced (Updates, Email- and phone support, replacement devices etc.)

Errors and omissions excepted - version 8. 6. 2018 © Qbit GmbH



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