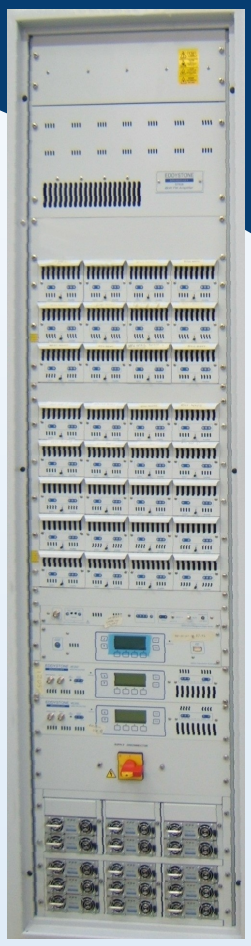
EDDYSTONE
BROADCAST
www.eddystone-broadcast.com

S7610C
10kW FM Transmitter

The S7610C FM transmitter is an evolution of the highly modular architecture for which Eddystone Broadcast transmitters are known.



Features

- **Compact Amplifier and PSU Modules which permit on air replacement**
- **Uses Eddystone's patented N way combiner system**
- **Fully compliant with ETS 300 384**
- **Easily configured into a wide range of system architectures**
- **Uses highly efficient SMPSU power supplies with PF correction**
- **IP remote monitoring & control**
- **System parameter logging and fault diagnosis**
- **Built in access to user manuals**
- **Drive monitoring & control**
- **Industry grade authentication**

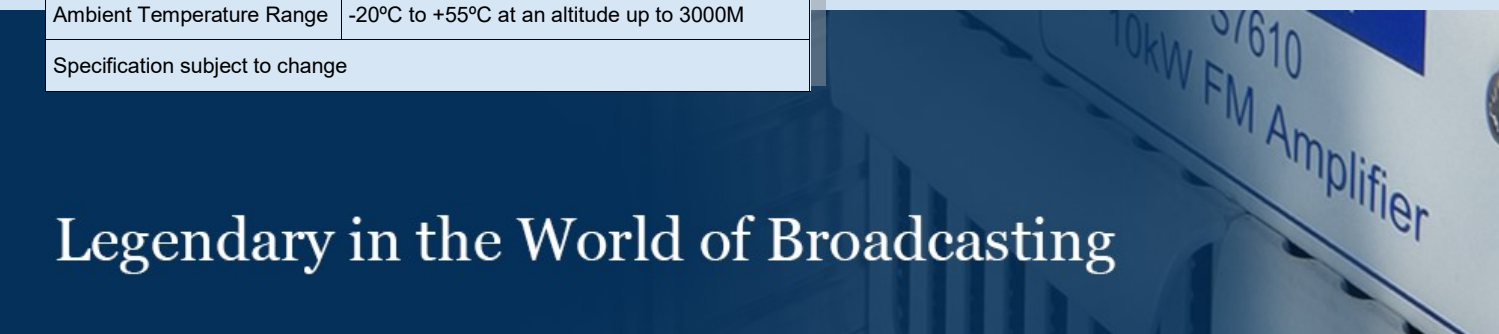
Monitoring & Control

Each module transmits its internal parameters to the central transmitter controller/monitor (E2023) and parameters can be accessed via on board LCD screen or through local or remote IP connection to the transmitters internal web interface.

Build

The drive input is fed to dual 16 way splitter which provide the PA module input drive. Each E2021 Power amplifier uses dual packaged MOSFET's mounted on a substantial heat sink assembly with minimum airflow over RF components. DC power is fed to the RF modules from the 16 switched mode power supplies. Internal control and self protection in case of reverse power, excess current or over temperature is handled within each individual E2021 power amplifier module with all monitoring being microprocessor derived. Self contained redundant cooling fans mounted on the rear of the transmitter. This cooling system can be ducted if required and bespoke systems can be provided to meet special requirements.

Specifications	
Power Output	10kW (Adjustable to -6dB)
Operating Frequency	87.5 to 108 MHz
RF Output Load Impedance	50 ohm unbalanced
RF Output Connector	1-5/8" EIA
Maximum VSWR	Able to maintain full power at 1.9:1
Mains Power Supply	Three phase & neutral 380-440V. Other supply voltages available on request.
RF Harmonic Output	Better than or equal to –86dBc
Ambient Temperature Range	-20ºC to +55ºC at an altitude up to 3000M
Specification subject to change	



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