



Chroma-Q™
Magic Box



Magic Box EtherSwitch 7

The Chroma-Q Magic Box™ EtherSwitch 7™ is a heavy duty, high speed unmanaged network switch that supports simultaneous computer connections. Designed to satisfy the requirement of entertainment touring applications, the EtherSwitch 7 is equipped with seven shielded EtherCon ports (RJ45) providing 10 / 100 / 1000 Mbps bandwidth in full-duplex mode. This stand-alone unit enables the concurrent use of various multimedia devices within a network without traffic restrictions.

The unique Magic Box interlocking enclosure facilitates easy rack mounting when used in single units or pairs and easy truss mounting via captive nut insert. Rack mounting brackets are available in single unit and dual unit versions, enabling you to customise your equipment rack or your installation by mixing and matching different Magic Box interfaces.

Magic Box EtherSwitch 7F

In addition to being equipped with seven shielded EtherCon ports (RJ45), the EtherSwitch 7F™ features one OpticalCon fibre optic connector, together providing 10 / 100 / 1000 Mbps bandwidth in full-duplex mode. All other features are shared with the EtherSwitch 7.

EtherSwitch 7 / 7F Technical Specification

Product Code	CHES07 / CHES07F
Dimensions	220mm x 88mm x 280mm / 8.6" x 3.5" x 11"
Weight	3.5kg / 7.8lbs
Power	100-240V AC, 50 / 60Hz, 0.4A, IEC chassis male
Ethernet Switch Type	Intelligent store & forward
Ethernet Protocols	All IEEE 802.3
Ethernet Switch Type	Intelligent store & forward
Ethernet Protocols	All IEEE 802.3
RJ45 / EtherCon Port	Shielded, 10BaseT / 100BaseTX / 1000BaseT
RJ45 / EtherCon	Auto-negotiation
RJ45 / EtherCon MDI/MDIX	Auto-crossover
RJ45 / EtherCon TD & RD Polarity	Auto-polarity
MAC Addresses Supported	8192

Key Features

- Two shielded EtherCon ports (RJ45) at the front panel
- Five shielded LED for each port
- Designed for customised front of house racks
- Upgradable to EtherSwitch 7F (Fibre)
- One OpticalCon fibre optic connector at the rear panel*

Accessories

CHMBEAR	Chroma-Q pair of Magic Box rack ears
CHMBEAR-1	Chroma-Q pair of Magic Box extended rack ears

VLAN Supported	4096
Jumbo Frame Support	Up to 9.6K
Buffer Memory	144 Kbytes
Memory Bandwidth	16 Gbps for full wire speed on all ports
Forwarding Rate	10 Mbps : 14,880pps, 100 Mbps : 148,81pps, 1000 Mbps : 1488,1pps
Port Connection	Link and activity LED
Approvals	CISPR 22:2006/EN55022:2006, CISPR 24:1997/ EN55024:1998, ICES-003:2004, FCC Part 15 Sub- part B:2007, CSA C22. No. 166-M1983:R2008 CAN/ CSA-C22.2 No. 60950-1-07, UL 60950-1:2007
OpticalCon Port*	1000 Mbps
Max Fibre Optic Cable Run*	550m / 1800ft multi-mode 50 / 125

*Only applies to Magic Box EtherSwitch 7F

For the latest news and information on the Chroma-Q range, visit www.chroma-q.com