



**Chroma-Q™**  
BRILLIANT SOLUTIONS

## Specification Sheet - Version: 1.4

**Chroma-Q™ Magic Box™**

**EtherSwitch 7F™ (1 Gigabit)**

**Part No: CHES07F**

### DESCRIPTION

The unit shall provide a heavy duty, high speed unmanaged network switch that supports simultaneous computer connections.

The unit shall be equipped with one OpticalCon fibre optic connector and seven shielded EtherCon ports (RJ45) providing 10 / 100 / 1000 Mbps bandwidth in full-duplex mode.

The unit shall be designed for a fibre optic cable length of up to 550m / 1800ft.

The unit shall enable the concurrent use of various multimedia devices within a network without traffic restrictions.

The unit shall be designed for customised front of house racks.

The unit shall utilise the unique Magic Box interlocking enclosure to facilitate rack mounting when used in single units or pairs and easy truss mounting via captive nut insert.

### FEATURES

- One OpticalCon fibre optic connector at the rear panel.
- Two shielded EtherCon ports (RJ45) at the front panel.
- Five shielded EtherCon ports (RJ45) at the rear panel.
- Designed for a fibre optic cable length of up to 550m / 1800ft.
- Designed for customised front of house racks.
- 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 and dual unit versions to enable customisation of equipment racks or installations.

### ORDERING INFORMATION

CHES07F: Chroma-Q Magic Box EtherSwitch 7F

### ACCESSORIES

CHMBEAR: Chroma-Q pair of Magic Box rack ears

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

### OVERALL SPECIFICATIONS

Net Dimensions:	Width: 220mm / 8.6" Height: 88mm / 3.5" Depth: 280mm / 11"
Net Weight:	3.5kg / 7.8lbs
Shipping Dimensions:	Width: 250mm / 9.8" Height: 125mm / 4.9" Depth: 300mm / 11.8"
Shipping Weight:	4kg / 9lbs
Power:	100-240V AC, 50-60Hz, 0.4A
Power Connector:	IEC
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
OpticalCon Port:	1000 Mbps
MAC Addresses Supported:	8192
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
Power:	Power LED
Max Fibre Optic Cable Run:	550m / 1800' multi-mode 50 / 125
Colour:	Black

