



GHOST

10 Gigabits ethernet host



OVERVIEW

Ghost is a gigabit platform mounted in a 19" 1U rack box dedicated to the multiplexing, transport and monitoring of true Ethernet broadcast signals. Ghost integrate a layer 2 programmable switch motherboard, an interface and control front panel board and an extended 120/230 VAC 50/60Hz power supply. Ghost offers a multi services platform to create and manage easily the most complex networks without specific skills in IT technologies. Ghost manager is the dedicated software specially developed for touring and live application. Ghost Manager can manage instantly up to 200 devices connected to the network from a Windows xp to 10 OS PC connected on one device. Ghost networks are fully independents of any protocol and perfectly versatile for each drive data. Ghost systems can be defined like a broadcast medias highway where every kind of vehicle can run freely and firstly on his dedicated part without global traffic jams.

PRINCIPAL FEATURES

- 12 powered Ethercon® 10/100 /1000 Mbps ports fully independents and assignable.
- 99 Groups can be managed at once.
- 2 Ethercon® 1000 Mbps ports for Ghost linking.
- 2 Opticalcon® Duo 10 000 Mbps for Ghost linking.
- Available in single-mode and multi-mode versions.
- 1 x 8 characters LCD screen on each front assignable port.
- Status and traffic LEDS for remote of each ports.
- ID Led on each user port.
- 1 RJ45 plug on the back panel for monitoring and control.
- Bus, ring, star and hybrid topologies available.
- Ghost Manager software included in the package on an USB stick.
- Redundant Power Supply Unit.

COMPATIBLE PROTOCOLS

The list below states at present tested and certified protocols. She can change in the future without hardware modifications. Firmware updates will be released from our web site.

- Ethersound™
- Dante™
- AES 67
- Cobranet®
- Artnet
- TCP/IP remote networks

CobraNet®



Dante™



APPLICATIONS

Live and touring:

- Live events and concerts
- Live broadcast
- Public address
- TV and Radio itinerant projects

Fixed installations:

- Stadiums and sport venues
- Museums, theme parks and entertainment venues
- Theatres
- Music and shows venues
- Corporate boardrooms and buildings

Broadcast and studios:

- Radio and TV Studios
- OB Vans
- Data centers

Others:

- Multi medias broadcasting



TECHNICAL SPECIFICATIONS

GENERAL

Size W x D x H (mm)	442 x 300 x 44.5
Weight	3.2 Kg
Power Consumption	100-127 VAC / 0.6 A 200-240 VAC / 0.4 A
Power Supply	100-240 VAC 50/60 Hz
Idle Power*	19.5 W
Maximum Power rating**	29.3 W
Storage temp. / Humidity	-40° -70° / 15-90% without condensation
Operating temp. / Humidity	0° -45° / 15-95% without condensation
Altitude	Up to 10000ft (3 km)
Acoustic	Power: 49.7 dB Pressure: 37.1 dB

CONNECTIVITY AND INTERFACE

Front Panel	8 x 10 Base-T / 100 Base-TX / 1000 Base-T Ethercon® 2 x 10 Base-T / 100 Base-TX / 1000 Base-T Ethercon® ports 2 x 10 000 Base-T OpticalCon® Duo ports 8 x 8 characters LCD screens 3 leds (Status, traffic, ID) on each Ethercon® port 2 leds (Tx Rx) on each OpticalCon® port 1 x configuration and navigation function switch
Rear Panel	4 x 10 Base-T / 100 Base-TX / 1000 Base T-Ethercon® ports 1 x remote and control RJ45 port 1 x Power Cord
Software	Telnet protocols for up to 100 devices connected Offline editor mode Service and maintenance window

PROCESSING

Motherboard	1 x DualCore ARM Cortex A9: 1016 MHz 1 Go - DDR3 SDRAM 4 Go Dual Flash Memory Data flow: up to 95.2 Mpps Switching capacity: 128 Gb/s Memory Flash: 128 Mo
Network	99 x Groups available 16000 MAC Address capacity IEEE 802.1p traffic priority

PACKAGE AND WARRANTY

Package includes	1 x Ghost X engine 1 x Power cord IEC13 Lock 1 x Start configuration guide 1 x USB key with Software, firmware and owner's documents 1 x Warranty card
Warranty	5 years parts and service

* Idle power is the actual power consumption of the device with no ports connected.

** Maximum power rating and maximum heat dissipation are the worst-case theoretical maximum numbers provided for planning the infrastructure with fully loaded PoE (if equipped), 100% traffic, all ports plugged in, and all modules populated.

Pictures and features are not contractual. Product specifications can be modified without prior notification.

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