

# E351 *Audio, data and contacts transceiver over IP networks*

## Product specifications



1 channel data transceiver (0 dB), 1 RS-232 / RS-422 / RS-485 data transceiver (2 or 4 wired user selectable) , and 8 ON/OFF contact closures.

E351 is specially designed for PA systems over IP networks. Furthermore, it can be used in intercom systems, access control, tunnels and any installations requiring the transmission of high quality audio, serial data or contacts signals.

The transmission can be point to point, unicast or multicast, either to other E351 units or to a PC.

The audio communication is compatible with any software supporting the RTP protocol, and it is also capable of playing pre-recorded messages. It can be configured via web server, Telnet or a management software from a PC.

Remotely upgradeable firmware.

E351 format is a box that allows its insertion in a 19" 1U rack (one or two units). Optionally, it can be manufactured with a bracket for DIN rail mounting.

Supports redundant power supply +12 to 36 Vcc that eases its installation and maintenance.

Once installed, it does not require any particular maintenance operation for its correct functioning.



1 audio channel, one data and 8 ON / OFF contacts transceiver.

Point to point transmission, unicast and multicast

Supports pre-recorded messages

Configurable via web server

Stand alone format, with possibility of being inserted in a 19" 1U cabinet (option for DIN rail mounting)

Allows redundant power supplies from +12 to 36 Vcc

DESICO Vigiplus Software Comliant



Audio, data and contacts over IP networks

**Specifications:**

**Electrical interface**

	Audio	Data	Contacts
Transmitted signals	1 bidirectional balanced audio signal	1 serial data signal	8 bidirectional dry contacts signals
Type	20 Hz ~ 20 kHz (0 dBm nominal, +10 dBm maximum level)	RS-232, RS-422 or RS-485 (2/4 w.)	
Maximum binary rate		> 128 kbps(RS-232 and RS-422 ), > 19,2 kbps (RS-485)	
Signal / noise ratio (weighed)	≥ 80 dB		
Input impedance	600 Ω balanced		
Output impedance	33 Ω		
Codification	PCM or G711-A (selectable)		
Sampling frequency	8, 32 or 48 kHz		
Electrical signal connector	1 x 8-poles terminal	1 x 8-poles terminal	2 x 16 poles terminal

**Network interface**

Type of signal	1 x 10Base-T, 100Base-TX (autonegotiation)
Operating mode	Full/half duplex (automatic detection)
Protocols	IP, TCP, UDP, DHCP, IGMP, RTP
Communication	Point to point, unicast and multicast
Signal connector	1 x RJ-45 connector

**Power supply**

Power voltage	12 Vcc ~ 36 Vcc
Consumption	< 5 W
Power supply connector	Screw on terminal

**Indicators**

Indicators	Denomination	Colour
Power supply	ON	Green
Operation	RUNNING	Green
Error	ERR	Red
Data transmission	TX	Green
Data reception	RX	Green
Contacts status	CONTACTS	Green
Audio level	AUDIO	GreenAmber/Red

**Format and dimensions**

Format	Box for insertion in a 19" 1U rack (optional bracket for DIN rail)
Dimensions	215 x 165 x 43 mm (without connectors)

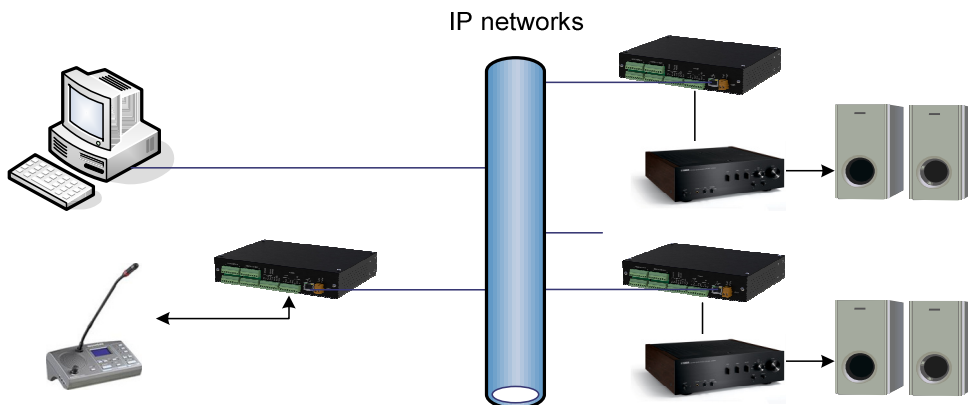
**Environmental operating conditions**

Temperature	-20 °C ~ 70 °C
Humidity	0% ~ 95% (non condensing)

**Ordering information:**

Code	Version
E351	Audio, data and contacts transceiver over IP networks

**Sample application:**



Specifications can be modified without previous notice as a consequence of the continuous improvement process of our systems