

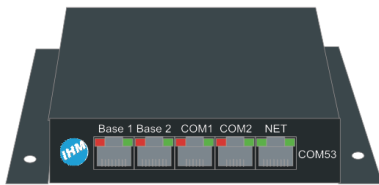
# 87-COM53/1 – Generic

PRODUCT SHEET

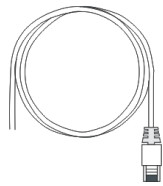
The COM53/1 is a VoIP Base Station Controller for generic radio, PAGA, Intercom etc.

The COM53/1 kit includes a patch cable and interface cable with open ends.

## COM53/1

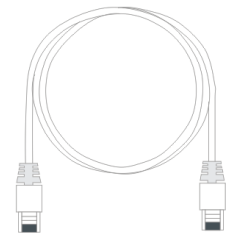


## Connection cable with open ends



69-98-066

## LAN cable

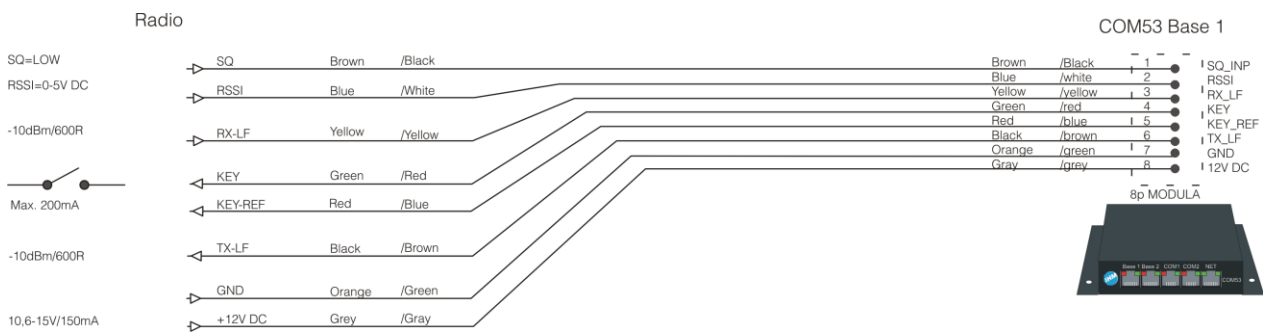


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## The radio interface

The interface includes audio input and output, a PTT function, and a squelch input. The interface can be used to connect a single channel radio, a connection to a PAGA or intercom system etc. which requires a two or four wire audio connection. The IHM PnP series supports use of Base 1 port only.

Please note: The radio/PAGA/Intercom unit is not part of the IHM delivery.



## Functions

- Audio input and output to and from the radio/PAGA, can work in either simplex or duplex mode.
- PTT output (relay).
- Squelch input (opto coupler).
- RSSI, (0-5Vdc) gives you the possibility to see a level bar for the strength of the received signal. If you have more radios on the same frequency for a larger coverage area this can be used for letting the operator select which radio to use for a conversation.

## Functions – not supported

- Channel selection.

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## Technical data

Parameter	Test conditions	Min.	Typ.	Max.	Unit
<b>Supply voltage</b>					
Vsupply		10.6		30.0	Vdc
<b>Current consumption</b>					
Isupply	Vsupply = 12Vdc		250	350	mA
	Vsupply = 24Vdc		150	250	mA
<b>Ethernet</b>					
Connection	IEEE 802.3 / RJ45				
Speed	Dual Speed 10/100 Mbit/s		100		Mbit/s
Auto	Auto Negotiation Enabled				
Bandwidth required	Per active voice channel	128			Kbit
Latency	one direction, both directions			150 300	msec
Jitter		160			msec
Broadcast	Should be avoided or kept to a minimum				
<b>Base Station</b>					
Input-level		-25	-10	-3	dBm
Output-level		-25	-10	-3	dBm
Impedance			600		ohm
<b>RS232</b>					
Vout Low			-5V		V
Vout High			5V		V
Baud rate	Adjustable	2400		115200	Baud
<b>Temperature range</b>					
Ambient		0°		55°	C
Storage		-10°		65°	C
<b>Mechanical specifications</b>					
Module type (PCB)		120*100mm			
Weight (PCB)		100 g			
Box size		110 x 130 x 28mm			
Weight (PCB + Box)		250 g			
Weight (PCB + Box + Cables)		500 g			

## Important !

COM53/1 firmware: c53\_VTS\_306.hex and code file C53\_VTS\_Generic\_default\_V10.com53.ihm

The IHM PnP series supports use of the IHM-COM53 Base 1 port only.