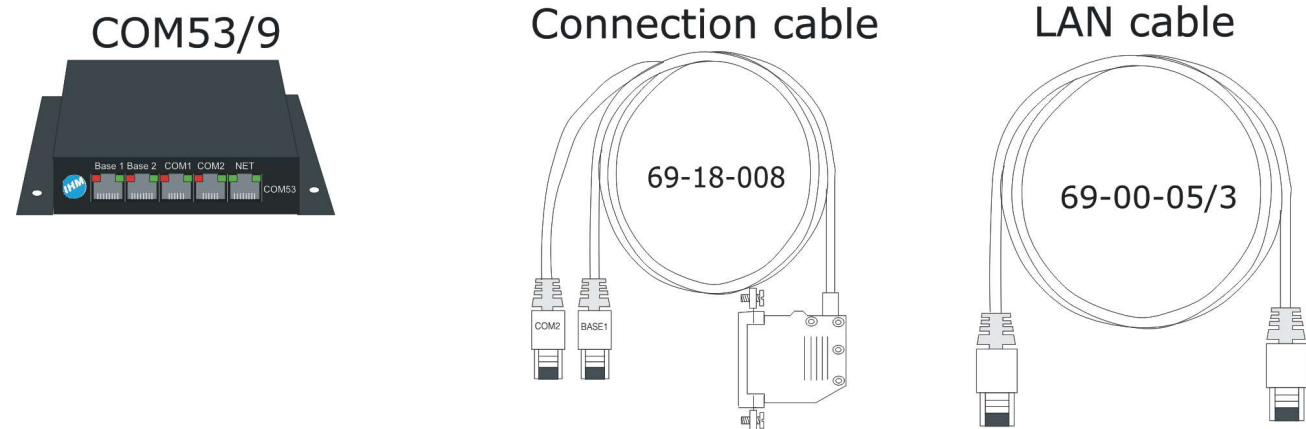


87-COM53/9 - HYTERA MT680 TETRA desktop

PRODUCT SHEET

The COM53/9 is a VoIP Base Station Controller for connection of one HYTERA MT680 Desktop version TETRA Terminal.

The COM53/9 kit includes a patch cable and interface cables.

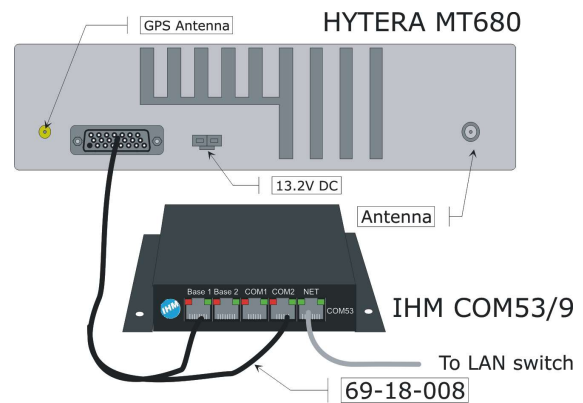


The terminal

The MT680 terminal shall be programmed with the required Talk Groups (TG).

Functions included

- Audio input and output to and from the radio
- PTT output (relay), TG communication is always performed in simplex mode, whereas Private Calls can be performed in either duplex or simplex mode.
- RSSI, indicates the received field strength from the TETRA backbone
- Talk Groups, the radio is typically used with several TG's. The Talk Groups, found in the radio shall be coded in the ActServ.ini file of the connected system: Provided the system is connected to an MCS PnP system, the McsSetup application can be used.
- Private calls can be performed to other TETRA terminals in either simplex or duplex mode.
- Text messaging, SDS messages, can be sent and received.



Functions – not supported

- Direct mode



87-COM53/9 - HYTERA MT680 TETRA desktop

PRODUCT SHEET

Technical data

Parameter	Test conditions	Min.	Typ.	Max.	Unit
Supply voltage					
Vsupply		10.6		30.0	Vdc
Current consumption					
Isupply	Vsupply = 12Vdc		250	350	mA
	Vsupply = 24Vdc		150	250	mA
Ethernet					
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				
Base Station					
Input-level		-25	-10	-3	dBm
Output-level		-25	-10	-3	dBm
Impedance			600		ohm
RS232					
Vout Low			-5V		V
Vout High			5V		V
Baud rate	Adjustable	2400		115200	Baud
Temperature range					
Ambient		0°		55°	C
Storage		-10°		65°	C
Mechanical specifications					
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)	600 g				

Important !

COM53/9 firmware: c53_FWT_HYT_v10_17.hex and code file C53_FWT_default_v10.com53.ihm supports HYTERA MT680 Plus F3 with firmware release G1.5 MOBILE V3.08.71.008 Upgrade package

If you have another firmware version in your Hytera terminal, either upgrade to version 3.06.71.008 or please contact IHM for availability of COM53 firmware and if applicable McsService32 supporting newer HYTERA firmware versions.

MT680 - Data settings

- Make sure that "Settings, Radio, Audio, Mictype is set to 'Follow PTT'"
- Make sure that baud rate is set to 9600 baud