



# MicroComm DXL

## TMM-641 VoIP Touchscreen Master Module

### Description

The TMM-641 Touchscreen Master Module is a small desktop unit for use with a touchscreen terminal. It is a Voice over Internet Protocol (VoIP) device that implements the industry standard Session Initiation Protocol (SIP).

The unit consists of a speaker (c/w volume adjustment), an electret microphone, a push-to-talk (PTT) switch, an LED status indicator and a front panel 2.5 mm headset jack.

The TMM-640 also provides contacts for an external PTT (foot) switch as well as a privacy handset, and includes a 3.5 mm stereo output jack to provide line-level signaling for external amplified speakers.

A microphone insert device can be connected via a 3.5 mm input/output jack. The third party external insert device is connected in series with the microphone audio line and can be a feedback suppressor for overhead paging speakers or an equalizer.

### Features

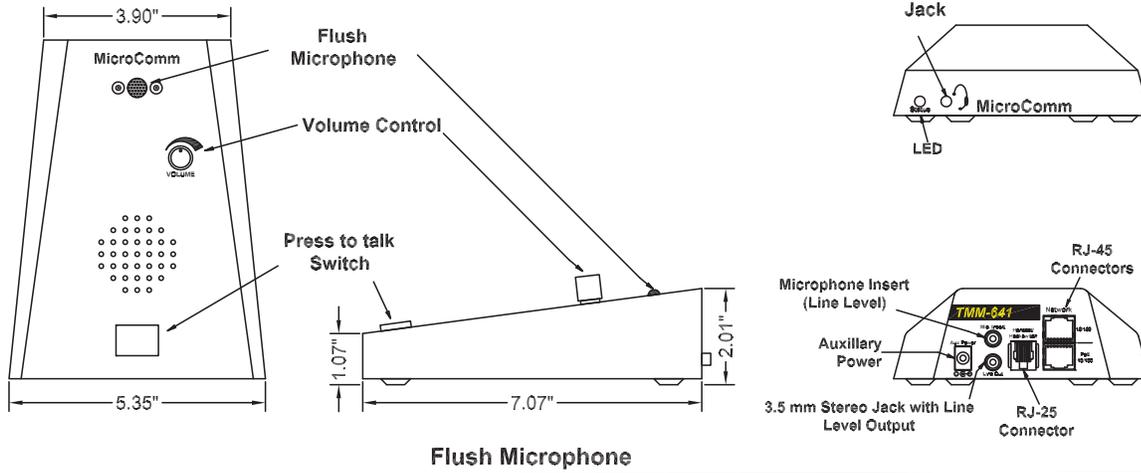
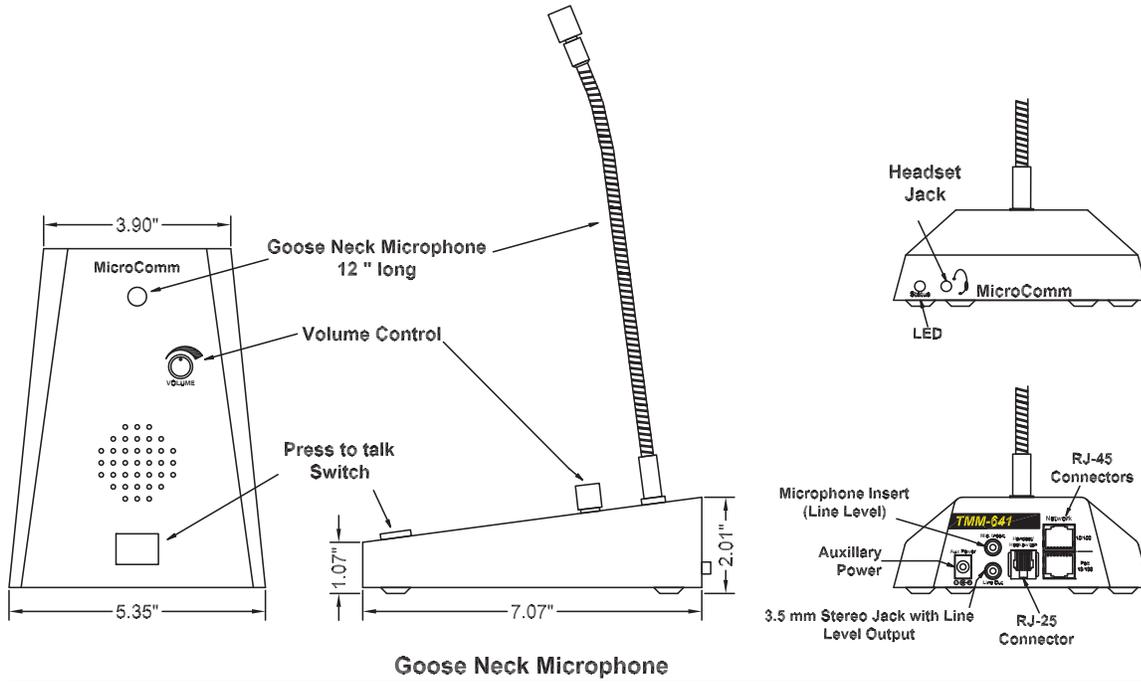
- small desktop module with an attractive brushed stainless steel top
- high sensitivity omni directional microphone available on a 12" or 18" flexible gooseneck or flush mounted
- noise free rotary volume control
- top surface PTT switch with contacts for an external switch (e.g. PTT footswitch)
- support for an external privacy handset
- supports external PTT (footswitch)
- 3.5 mm stereo line level output jack for connecting an external amplifier or powered speaker
- 3.5 mm line level input/output jack for connecting a third party external feedback suppressor or equalizer
- unit can be powered from a Power over Ethernet (PoE) capable Ethernet switch or an external power supply.
- front panel 2.5 mm headset jack
- built in 10/100baseT Ethernet switch to facilitate a 2nd Ethernet connection
- built in Automatic Gain Control (AGC)
- supports remote firmware and configuration updates



### Specifications

Physical	2.01" H x 5.35" W x 7.07" D (51 x 136 x 180 mm)
Environmental	
Operating Temperature	32 to 122 °F (0 to 50 °C)
Storage Temperature	-40 to 158 °F (-40 to 70 °C)
Humidity	0 to 95 % non-condensing
Field Connections	RJ-45 jack (Ethernet) RJ-25 (for external PTT and privacy handset connections) 3.5 mm line-level output jack 2.5 mm headset jack 3.5 mm microphone insert 2.1 mm auxiliary power jack
Power	
Auxiliary	22.8 Vdc - 37.8 Vdc, 150mA max* or
PoE	EEE 802.3af class 1 compliant
Cabling	Cat5/Cat5e/Cat6 328 ft (100 m) maximum length
Speaker	2.5" (64 mm) mylar cone
Speaker level	82 dB SPL max. @ 1 meter
Line-Level Output	1 V rms

\* 36 Vdc wall adaptor included with TMM-641



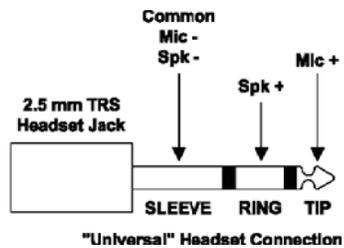
**Ordering Information**

Part Number TMM-641-ABC-D

- A volume control options
  - 1 rotary (standard)
- B microphone options
  - 1 gooseneck microphone
  - 2 flush microphone
  - 3 gooseneck microphone with 6 inch extension
- C headset connection
  - 1 "Universal" headset connection
- D microphone compression
  - 1 standard

**Accessories**

- HHK-136 handset/hookswitch kit
- PSU-136-0.15 36V/150mA Power Supply



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