

## NMT TRANSPONDERS FOR COMTECH DEVICES (HMS, ComMon)



- Noise switch-off control
- Monitoring of the amplifier's parameters
- Monitoring of the signal and noise level in the CATV system
- Remote software-update possibility

### TECHNICAL SPECIFICATION

#### Monitoring parameters

##### Amplifier's monitored parameters

Peak value of remote power, operation powers, operation temperature, ASG's state, measured return path noise on 6MHz on outputs, transponder's receiver's and transmitter's level.

##### Optical node's monitored parameters

Peak value of remote power, operation powers, operation temperature, measured return path noise on 6 MHz on outputs, transponder's receiver's and transmitter's level, optical receiver's and transmitter's power, laser's current, laser's temperature, OMI, configuration status.

Controlled parameters	State of the noise switch-off module (Off, On, -6dB, HPF20, Auto).
Possible monitored devices (NMT-F)	MT1000, MB1000, LE1000, MO1002, MO1004
Possible monitored devices (NMT-O)	MO1003
Possible monitored devices (NMT-COM1)	MO1001
Possible monitored devices (NMT-COM2)	MDO801x
Possible monitored devices (NMT-COM3)	LA836R-C, DA836x-C, LA1000
Possible monitored devices (NMT-COM4)	LA834R-H

RF parameters	NMT-F/O	NMT-COM1	NMT-COM2	NMT-COM3	NMT-COM4
Transmitter output level range [dBμV]			80-120		
Receiver input level range [dBμV]			40-80		
Output level accuracy [dB]			±3		
Transmitter frequency [MHz]			18-28		
Receiver frequency [MHz]			85-88 or 106-114		
Transmitter and receiver frequency raster [kHz]			100		
Transmitter and receiver frequency accuracy [kHz]			10		
Isolation [dB]			-60		
Output impedance [Ω]			75		
Modulation			FSK±50kHz		

Specifications are subject to change without notice!

**Protocols**

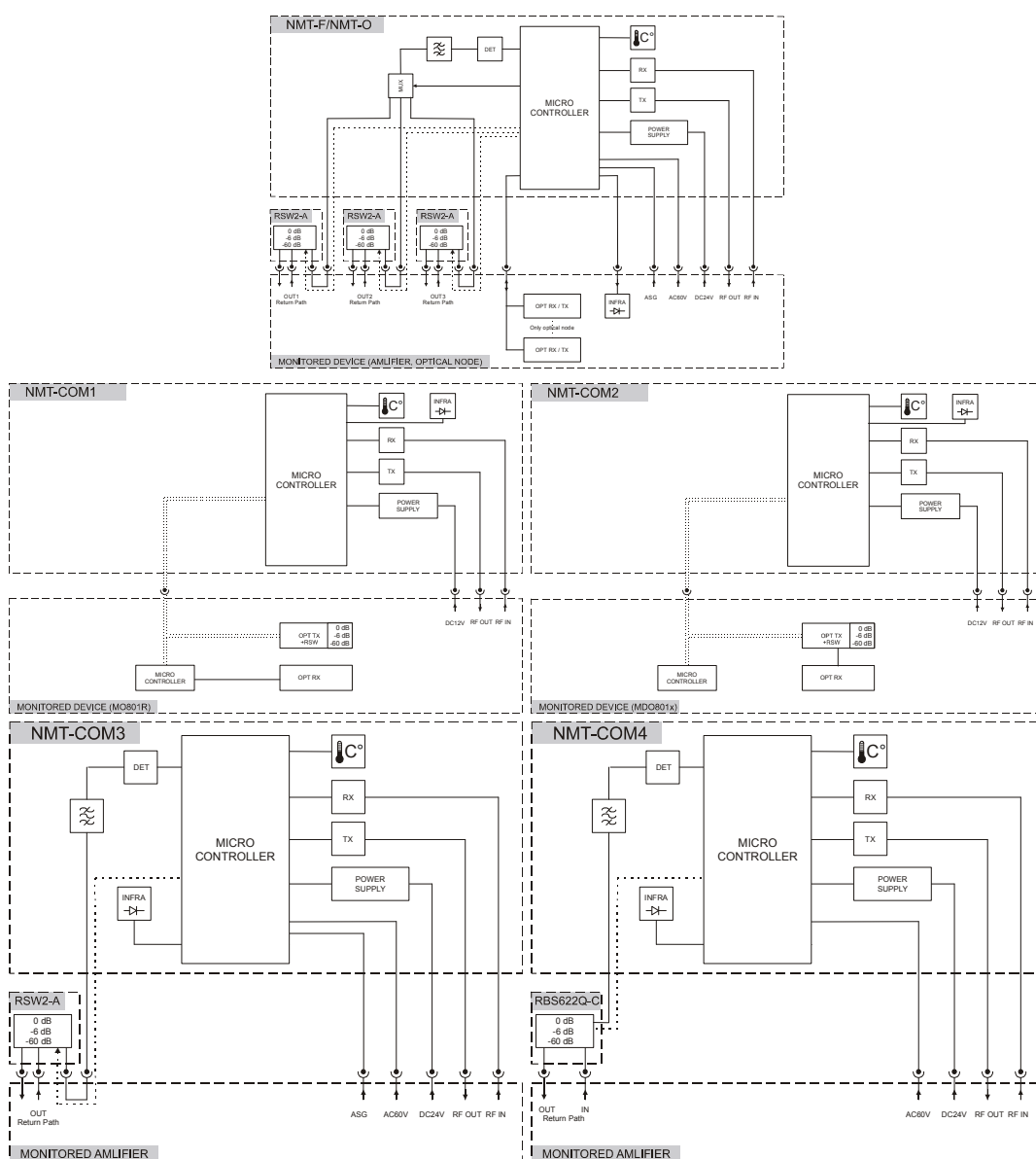
PHY (SCTE 25-1 HMS005)	yes
MAC (SCTE 25-2 HMS004)	yes <sup>(1)</sup>
SNMP	v1 <sup>(1)</sup>

**General parameters**

Baud rate [baud]	38400				
Power supply voltage [V]	+24	+24	+12	+24	+12
Power consumption [VA]	2.7				
Temperature range [°C]	-40...+60				

(1) In case of SNMP version

**BLOCK DIAGRAM**



The RSW2-H20 can be used for NMT-O, NMT-F and NMT-COM3 instead of RSW2-A as well.

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ORDERING INFORMATION

