

HMTS-X2 FLEXIBLE NETWORK MONITORING GATEWAY FOR HMS AND SMC PROTOCOLS



- Key element of HMS and SMC monitoring solutions
- Management of return path ingress control switches
- Automatic setting of transponders' upstream level
- Automatic device replacement function
- Optional compatibility with DOCSIS 3.1 systems
- Helps to keep OPEX low
- Honoured with innovation price

GENERAL DESCRIPTION

The HMTS-X2 is a fully flexible configurable gateway for standardized HMS networks. The device can contain 12 modules, minimum 1 and maximum 6 downstream transmitters, and receivers in all the free slots - serving the possibility of composing segments from the manageable 3000 pieces of network elements. On demand the modules are available with DOCSIS 3.1 compatible frequency ranges even so like the newest COMTECH transponders. The device can work as a modem too in case of SMC based monitoring solutions. The HMTS-X2 has an additional RS-485 connection for managing headend elements without Ethernet connection.

TECHNICAL SPECIFICATIONS

Forward path RF parameters

Output level range [dBμV]	85...115
Frequency range [MHz]	48...162, 250...301
Frequency raster [kHz]	25

Reverse path RF parameters

Input level range [dBμV]	40...80
Receiver frequency range [MHz]	5...65
Frequency raster [kHz]	25

Communication parameters

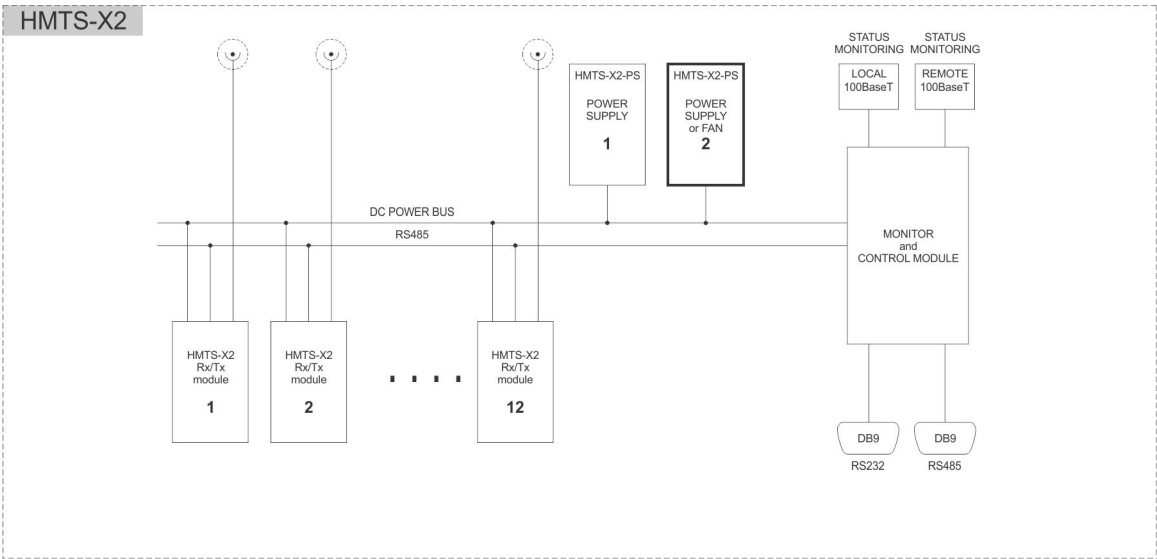
Physical layer protocols	RS-232C, DBM9, CCIT V.24 DCE, 100BaseT
Data link layer protocols	IEEE-803.2 (Ethernet)
Network layer protocols	IETF RFC 891 (IPv4) IETF RFC 826 (ARP) IETF RFC 903 (RARP) IETF RFC 792 (ICMP)
Transport layer protocols	IETF RFC 768 (UDP) IETF RFC 675 (TCP)
Application layer protocols	RFC 2131 (DHCP) RFC 1067 (SNMP)
Other protocols	SSH, HTTP, NTP (client only)

Specifications are subject to change without notice!

RS-485 local port parameters

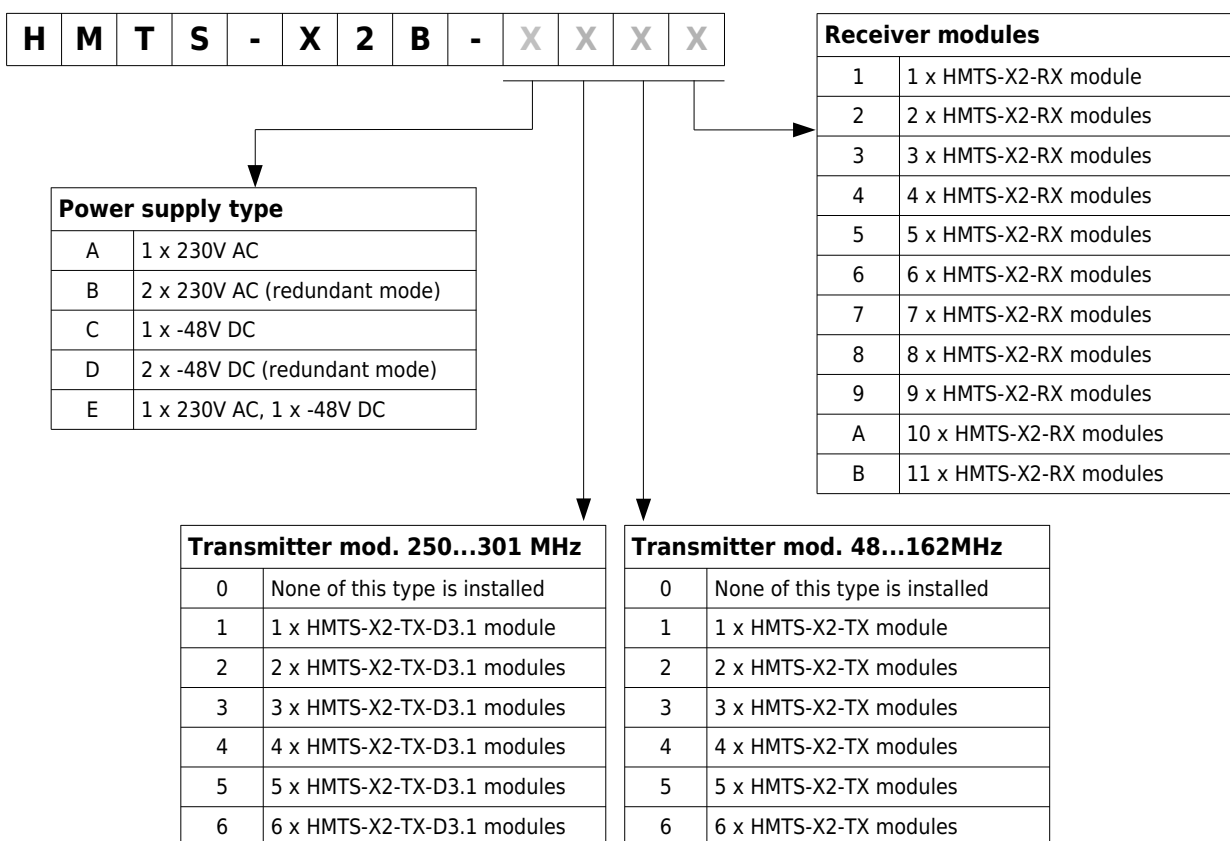
Protocol	HMS	
Baud rate [baud]	38400	
General parameters		HMTS-X2-A/BxxHMTS-X2-C/Dxx
RF connector	F	
Power supply voltage [VAC]	~ 90...264, 47...63Hz	-
Power supply voltage [VDC]	-	-36...-72
Maximum power consumption (full configuration) [W]	29	46
Operational temperature range [°C]	0...+50	
Dimensions [mm]	43.5x483x450	
Weight (typical B018 configuration) [kg]	9.6	

BLOCK DIAGRAM



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ORDERING INFORMATION



Accessories

Type

Transmitter expansion	HMTS-X2-TX transmitter module
D3.1 transmitter expansion	HMTS-X2-TX-D3.1 transmitter module
Receiver expansion	HMTS-X2-RX receiver module
Power supply	HMTS-X2-PS (230V AC) or HMTS-X2-PSD (-48V DC)

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