

Power

AlphaNet™ EDH4

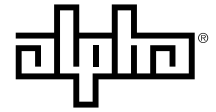
External DOCSIS® Transponder



- Add DOCSIS Status Monitoring capability to existing power supplies
- DOCSIS certified
- Compatible with ANSI/SCTE HMS standards
- Multiple power supply models supported
- Embedded Web server for remote diagnostics
- Optional VoIP testing features

Alpha's external DOCSIS transponder provides the ability for cable operators to manage network powering through the existing cable modem infrastructure. DOCSIS certification, SNMP and HMS MIB support, and an embedded web server enable the EDH4 to provide network power data quickly and easily when and where it is needed. The transponder is fully interoperable with multiple power supply models and can be accessed using any SNMP Manager.

The EDH4 can also be optionally enabled as an E-MTA to perform an advanced suite of IP and VoIP tests, thus turning it into a true cross-domain test point by combining measurements available from the HFC, DOCSIS, IP and VoIP domains.



AlphaNet™ EDH4

Specifications				
Power Supplies Supported:	XM2-HP, XM2 (requires USM2 or USM2.5) XM (requires USM) Lectro ZTT, ZTT+ AM (requires RPM card)			
Devices Monitored:	Power supplies, batteries, generators reported as per ANSI/SCTE 25-3 2002 (HMS-022)			
DOCSIS:	Version 2.0			
DOCSIS Monitoring Protocol:	SNMP v1, v2, v3			
HMS Monitoring Protocol:	SNMP v1, v2			
RF Transmit/Receive				
Tx Frequency Range:	5 to 42MHz			
Output Power:	8 to 58dBmV			
Channel Bandwidth:	6MHz			
Receive Center Frequency Range:	91 to 857MHz (Standard, HRC, IRC channels)			
Input Level:	-15 to 15dBmV			
Monitored Parameters				
Power Supply Data				
Model:	XM2-HP/ XM2	XM	AM	ZTT Series
Major Alarm:	■	■	■	■
Minor Alarm:	■	■	■	■
Input Line Voltage:	■	■ ¹	■ ¹	■ ¹
Output Voltage:	■	■	■	■ ¹
Battery Voltage:	■	■	■	■
Output Current:	■	■	■	■ ¹
Standby/AC Line Fail:	■	■	■	■
Equipment/Test Fail:	■	■	■	-
Enclosure Door Status:	■	■	■	■
Remote Test Control:	■	■	■	■
Notes: ¹ Some parameters require optional cable assembly				
Number of Battery Strings:	Up to four 36V or 48V strings			
Battery Data:	Individual battery voltages Battery compartment temperature			

Environmental	
Operating Temperature:	-40 to 110°C / -40 to 167°F
Humidity:	10 to 90% non-condensing
Emissions:	FCC Part 15 Class A, CE EN50022 Class A
Warranty:	2 years
Hardware	
RF Cable Interface:	F-connector, female, 75Ohm impedance
Local/Craft Interface:	Ethernet interface for direct web page access to diagnostic information
Management	
NMS/EMS:	Standard SNMP Management Tools
HMS MIBs:	In addition to the standard DOCSIS MIBs, the transponder supports the following HMS MIBs: <ul style="list-style-type: none"> • SCTE 25-3 (HMS-022): - Interface • SCTE 36 (HMS-050): - Root • MIB SCTE 37 (HMS-072): - Tree • MIB SCTE 38-1 (HMS-026): - Property • MIB SCTE 38-2 (HMS-023): - Alarm MIB • SCTE 38-3 (HMS-024): - Common • MIB SCTE 38-4 (HMS-027): - Power Supply • MIB SCTE 38-6 (HMS-033): - Generator • MIB SCTE 38-7 (HMS-050): - TIB MIB

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