



Telecommunications



Data Centers



Industries



Renewable

TRANSPONDER DOCSIS ACCBLUTRNSP30



DESCRIPTION

The ACCBLUTRNSP30 series of BLUNERY is the next generation of DOCSIS-HMS transponders and is the first DOCSIS 3.0 Transponder. It takes advantage of all the functionality built into the DOCSIS SoCs to provide added value no others can provide.

A spectrum analyzer is built into each transponder and therefore each power supply location becomes an "always on" test point for not only power supplies but also for the downstream broadband HFC network. For the price of a transponder you also get a spectrum analyzer. All models have an integrated web server that provide up to the minute display of all power supply metrics and states.

MAIN FEATURES

- More than just a transponder it´s a spectrum analyzer.
- Docsis 3.0 embedded modem.
- Temperature hardened.
- Standby power metrics and alarming.
- Integrated web server.
- Embedded or external applications.
- SCTE-HMS compliant.

TRANSPONDER DOCSIS

ACCBLUTRNSP30



SPECIFICATIONS

ACCBLUTRNSP30 - DOCSIS ®

POWER SUPPLY MONITORING / CONTROL

| | |
|----------------------|--|
| Battery Monitoring | Up to 4 strings or either 3 or 4 batteries per string: Voltage per battery, String voltage, String current, Temperature. |
| State Monitoring | Standby status and Events History. Tamper / Cabinet Door. Alarm state |
| Power Supply Metrics | Output voltage. Output current. Output power. Input voltage. |
| Standby Control | Start / Stop Standby test |

EMBEDDED CABLE MODEM

| | |
|--|--|
| Specification Compliance | DOCSIS 3.0 |
| Upstream Mode | QPSK, QAM, SCDMA |
| Max Operating Level (1 channel) [dbmV] | 61, (QPSK) 58, (8/16 QAM) 57, (32/64 QAM) |
| Receiver Range [dbmV] | -15 to +15 |
| Downstream Channel Bandwidth [MHz] | 6 |

INTERFACE AND I/O

| | |
|-----------------------------|---|
| Ethernet | 1 Gbps, RJ45, Craft Mode or CPE Mode, Provisionable |
| Visual LED State Indicators | 4 LED for modem state, 2 LED Ethernet status, 1 LED (bicolor) for RF status. |
| Battery Connectors | Connect wiring harness to battery strings to derive power and monitor voltages. |
| HMS Standard Extension Port | RJ45 - Connect generators and battery testing devices for remote control and monitoring. |
| RF Port | Female F |
| Expansion Port | Use for added value and specialized applications. |
| Heater Control | Interface for battery heaters. |
| Battery tester | Charge manager and conductance testing option available. |
| Generator Interface | Via HMS port. Monitors: On/OFF status, Alarm state, Gas hazard, Battery voltage, Fuel state, Remote test control. |
| Web UI | Power supply metrics, Cable modem metrics, Network metrics, Standby event log, Troubleshooting event logs, Generator metrics. |

PROTOCOLS / STANDARDS / COMPLIANCE

| | |
|-------------------------|---|
| DOCSIS | IP / TCP / UDP / ARP / ICMP / DHCP / TP / TFTP / SNMP / HTTP |
| Firmware Remote Upgrade | Available |
| SNMP | SNMPv1, SNMPv2c, SNMPv3 |
| MIBS | Private for added value. ANSI / SCTE 38-4. DOCSIS 3.0 |
| Power Supply Interface | ANSI / SCTE 25-3 2005 |
| Regulatory | FCC part 15 Class A, IEEE C62.41:1991 B3, RoHS directive 2002/95/EC |

ENVIRONMENTAL

| | |
|---------------------------------|--------------------------|
| Operating Temperature [°C / °F] | -40 to +70 / -40 to +158 |
| Humidity [%] | 10 to 90, non-condensing |

Latpower reserves the right to change product specifications and design without notice.

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