SigLINK

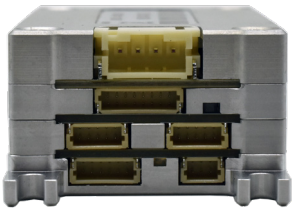
SigLINK OEM Transceiver

A CODAN COMPANY

Overview:

DTC SigLINK is an IP data link developed to meet the communications requirements of cost-sensitive autonomous and remote platform applications.
With full dual-band capability for spectrum agility and a rich feature set including an optional MANET capability, SigLINK offers exceptional performance relative to size, weight, power and cost (SWaP-C).
SigLINK is available in a lightweight, compact, rugged OEM clamshell module and provides up to 1W output power in both S-band and C-band ISM spectrum operation.
Designed to support a wide range of mission profiles, SigLINK enables everything from simple point-to-point links and relay architectures through to fully meshed networked operations. It includes a range of interface options for integration with control systems, video and imaging payloads and auxiliary sensors, and is managed through an intuitive web-based interface.





Features and Benefits:

- Small form factor
- Lightweight
- 1W 2x2 MiMo
- Thermal heat transfer for passive cooling
- 5/10/20/40/80MHz channel bandwidth options
- Optional MANET IP Mesh capability delivers seamless support for relay and mothership architectures

Note: SigLink is not designed to operate with DTC's BluSDR family and does not support MeshUltra™ waveforms

Product Information:

Product Code

SigLINK-2Node-NC	SigLINK OEM transceiver with 2 node license
SigLINK-Mesh-NC	SigLINK OEM transceiver with Mesh license

Additional Accessories (sold separately)

CA4411	4-way JST to 2-way XT60 (m) power cable
CA3867	8-way JST to RJ45 Ethernet
CA3740	5-way JST to USB-A (f) cable
CA3742	5-way JST to USB micro (f) cable
CA4237	MMCX RA (m) to SMA (f) cable 200mm
AP011959	2.87dBi omni antenna 617-7125MHz SMA (m)
CA4143	6-way JST to free ends GPIO cable
CA4399	3-way JST to 6-way JST RS232/TTL converter cable
CA4550	3-way JST to bare ends data cable 300mm

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Technical Specification:

IO

RF OFDM transceiver 1	MMCX 50Ω (f)
RF OFDM transceiver 2	MMCX 50Ω (f)
Power input	4-way 2mm JST
Gigabit Ethernet	8-way 1mm JST
USB0 (host)	5-way 1mm JST
USB1 (host/device configurable)	5-way 1mm JST
GPIO	6-way 1mm JST
RS-232 serial	3-way 1mm JST

Transceivers

Power output	Up to 1W output, 2x2 MiMo
Channel bandwidths	5/10/20/40/80MHz
Channel steps	1MHz

Frequency

S-band	2360-2690MHz
C-band	4900-5925MHz

Serial Data

Configuration	1k2 to 115k2, 7/8 bit, no/odd/even parity
Interface	RS-232 or USB peripheral

Encryption

Standard	AES128

Power

DC input	9-36V
Power consumption	360mW @12V typical

Physical

Dimensions	50mm (63mm incl. mounts) x 31mm x 19mm
Weight	62g

Environment

Temperature range	-20°C to +60°C

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