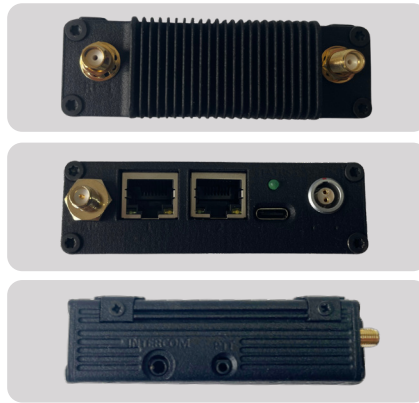
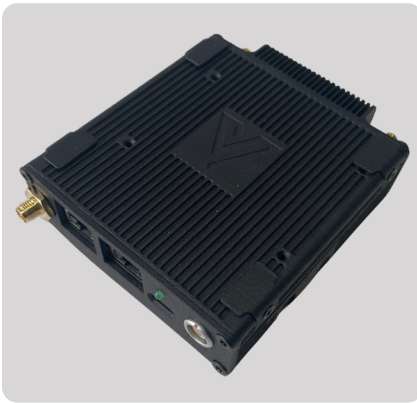


MeshConnect

Rugged IP Networking Node



The MeshConnect redefines connectivity for modern storytelling, and is your ultimate solution for on-the-go connectivity. Engineered as a rugged, IP networking node, it creates a self-forming, self-healing Mobile Ad-hoc Network (MANET) that keeps your production moving, no matter where the action takes you.

Designed for live events, sports, reality, film, and entertainment, MeshConnect delivers reliably in even the toughest conditions. Its durable design and intuitive management tools make deployment effortless, so your team can focus on capturing the moment, not configuring technology.

With dual-band operation and a powerful Web-based GUI for seamless control and monitoring, MeshConnect brings IP control to your broadcast workflow, empowering you to connect, create, and share on the move.

Key Features

Frequency Range: 1.35–1.44 GHz or 2.20–2.50 GHz, with dual-band capability

Data Rate: Up to 100 Mbps (adaptive)

Latency: Average of 7ms

Networking: Supports self-forming and self-healing MANET capabilities for up to 500+ nodes in a single mesh network

Control: A Web-based GUI is available for control

Connectivity: Multiple bridged Ethernet ports

Boot Time: Under 60 seconds from cold start to a network-ready state

Security: AES 256 encryption available

Typical Applications

Live events, sports and entertainment broadcasts

MeshConnect Datasheet



Technical Specifications	
RF and Networking	
Frequency Band	<ul style="list-style-type: none"> • 1.35–1.44 GHz • 2.2 – 2.5 GHz • Dual 1.35-1.44GHz & 2.2-2.5GHz
Transmit Power	2 × 1mW to 2W
Frequency Selection	Manual selection
Modulation Modes	Adaptive <ul style="list-style-type: none"> • BPSK • QPSK • 16QAM • 64QAM • 128QAM • 256QAM
Data Rate	12Mbps* <i>* Licensable up to 100Mbps</i>
Bandwidth	5 MHz* 10 MHz 20 MHz <i>* Available on 100Mbps throughput only</i>
Nodes	Supports up to 500+ nodes in a single mesh system
Wi-Fi	Features 2 & 5GHz Wi-Fi Access Point (AP/Client)
Intercom	
Headset	Compatible with standard TRRS headsets
PTT	Push-to-Talk Trigger
User Interface	
User Interface	<ul style="list-style-type: none"> • Web GUI • LED indication

MeshConnect Datasheet



Physical Connectors	
Connectors	<ul style="list-style-type: none">• 2x RF Input / Output Connector:<ul style="list-style-type: none">- 50 Ω SMA (F)• WiFi AP/Client Antenna Connector:<ul style="list-style-type: none">- 50 Ω SMA (RP)• 2x Ethernet Connector:<ul style="list-style-type: none">- 1x RJ45 (10/100/1000 Mbps)- 1x RJ45 (10/100Mbps)• Power Connector:<ul style="list-style-type: none">- 2-pin Lemo socket• Intercom Connector:<ul style="list-style-type: none">- 4-pole 3.5mm Jack• PTT Trigger Connector:<ul style="list-style-type: none">- 3-pole 2.5mm Jack• 2x USB Connector:<ul style="list-style-type: none">- USB Type C*• HDMI Connector:<ul style="list-style-type: none">- Micro HDMI* <p>* Future implementation</p>
Flexibility and Power Supply	
Voltage	9-32V DC
Power Consumption	13W max
Physical & Environmental	
Size and Weight	<ul style="list-style-type: none">• Size: 82 (W) x 95.5 (D) x 25 (W) mm*• Weight: 212g <p>* excluding connectors</p>
Environmental	<ul style="list-style-type: none">• Operating Temperature: -20°C to 50°C• Storage Temperature: -40 °C to +80 °C
Ingress Protection	IP54 rated
Humidity	0-95% non-condensing
Compliance	FCC, CE, IC, and RoHS compliance

Notes:

- Some features specified are available via optional licenses.
- Not all interface options are concurrently available.
- We reserve the right to change specifications at any time without prior notice.

E: sales@vislink.com T: +1 908 852 3700 / + 44 1442 431300 www.vislink.com

© Copyright 2025 Vislink Technologies, Inc. All rights reserved. All other products or services referenced herein are identified by the trademarks or service marks of their respective companies or organizations. We reserve the right to change specifications without notice. Where applicable, versions of this device may not have been approved by the Federal Communications Commission (FCC). Where applicable, these versions are not offered for sale or lease until approval of the FCC has been obtained.

RD002593 Rev 1.01