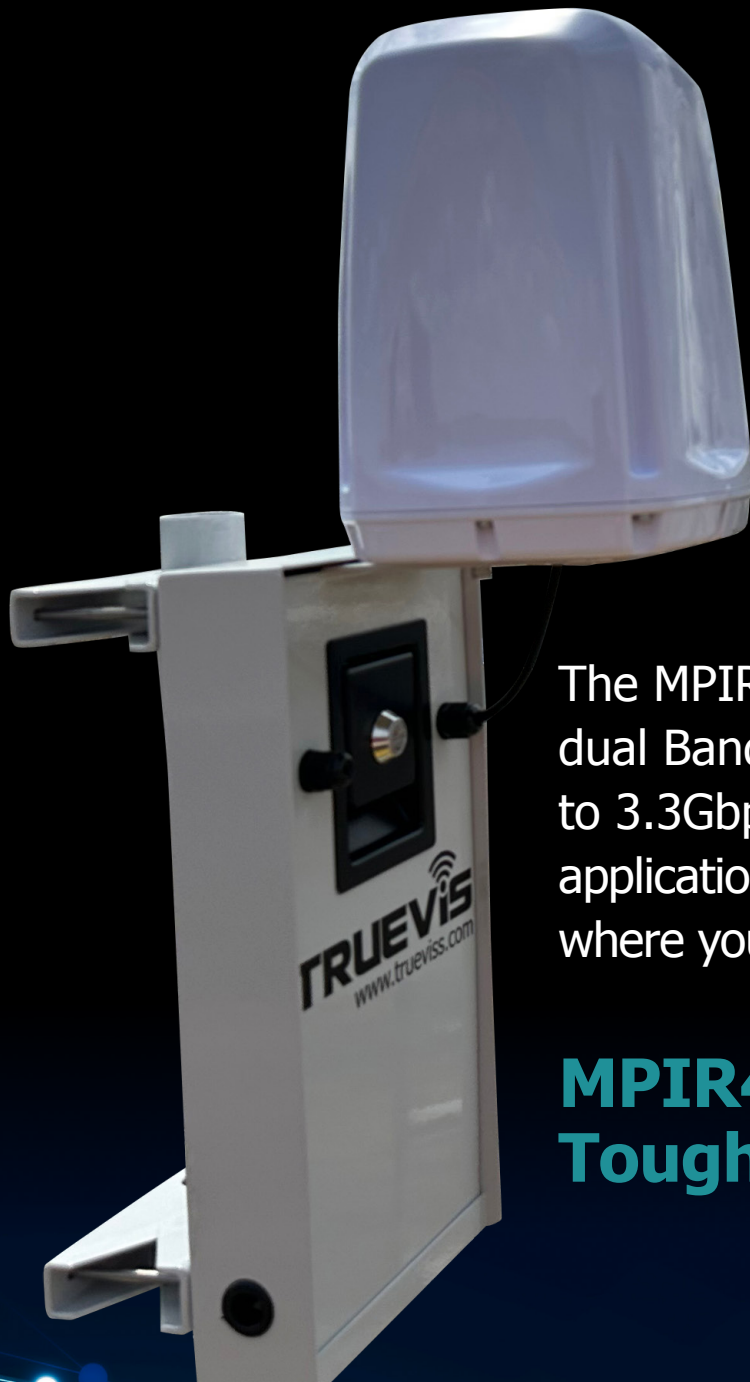


MPIR45

TRUEVIS[™]

MAINS POWERED MPIR45 4G & 5G 3.3GBPS IOT INDUSTRIAL ROUTER / ACCESS POINT



The MPIR45 is a compact and sleek dual Band Wi-Fi router capable of up to 3.3Gbps data speed, with a host of applications, it provides instant data where you need it most and fast.

MPIR45 Built for the Toughest Environments

Any Network:

Europe*, the Middle East, Africa, Oceania, Brazil

*Excluding Russia & Belarus



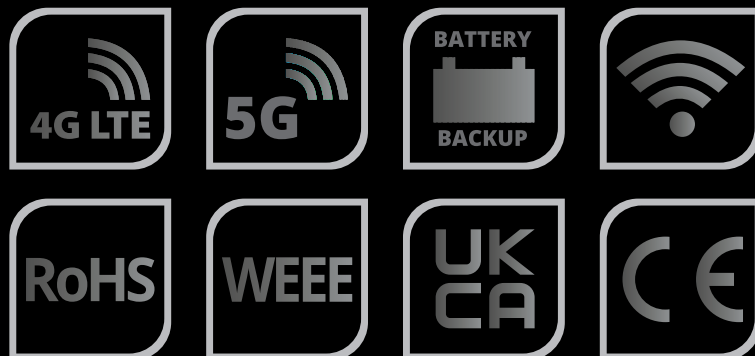
Proudly designed and
manufactured in the UK



www.trueviss.com

MPIR45

TRUEVISTM



Ideal for:

- Building & Construction Sites
- CCTV
- Dangerous Locations
- Events & Festivals
- IOT & Automation
- Temporary Buildings
- Utilities
- Wind & Solar Farms
- + Many other Applications



1. 5G Industrial Router
2. Wi-Fi 802.11b/g/n/ac Wave 5
3. Supports AP and Client Modes
4. UKCA, CE, RoHS & WEEE Compliant

MPIR45 External Specifications

Body Material	High Grade Steel 3mm/2mm
Finish Stage 1	Zinc anti-corrosive primer
Finish Stage 2	Polyester Powder Coating
Working Environment	-30°C to 50°C (-22°F to 122°F)
Dimensions	675H x 204W x 215D mm
Weight	6.351KG

Specification



Model	MPIR45
Standard Specifications	
Power Input 1 (AC)	100-240V 50/60HZ
Potential Energy	7AH
Runtime Battery Backup	8 Hours Uninterrupted Power Supply (UPS)
Cellular	
Router	Category 20 Dual SIM Industrial 5G 3.3Gbps Router
Ethernet Port 1	1x External IP67 Port 10/100/1000Mbps
Frequency Bands	617-4200 MHz
Country/Region	Europe*, the Middle East, Africa, Oceania, Brazil. *Excluding Russia & Belarus
Data	
Providers UK	EE, Three, Vodafone, O2 or Jersey Telecom
Packages	600GB £60.00 Per Month or 1200GB £120.00 Per Month* *Prices correct at time of printing
Wi-Fi External	
Frequency Bands	2.4GHz & 5.0 - 7.2GHz
Data Speed	867 Mbps
Wi-Fi Distance	2.4GHz 50M* (121M Tested*) 5.0 - 7.2GHz 25M*. (48M* Tested)*Dependant on Environment
Users	Up to 150 simultaneous connections
Security	WPA3-EAP, WPA3-SAE, WPA2- Enterprise-PEAP, WPA2-PSK, WEP; AES-CCMP, TKIP, Auto Cipher modes, Client Separation
ESSID	ESSID Stealth Mode
Wireless Hotspot	Captive portal (Hotspot), internal/ external Radius server, built in customisable landing page
Wireless Mesh / Roaming	Wireless mesh (802.11s), fast roaming (802.11r)
Wi-Fi Internal	
Frequency Band	2.4GHz
Data Speed	300Mbps
Antenna	
Type	2G 3G 4G 5G Omni-Directional High Gain Industrial Antenna
Wi-Fi	Gain (Max): 2.2 dBi @ 2400 - 2500 MHz 5 dBi @ 5000 - 7200 MHz
Wind Rating	136MPH 220KPH
Salt Spray Rating	MIL-STD 810G/ASTM B117
Impact Resistance	IK 10
VPN	
OpenVPN	Multiple clients and a server can run simultaneously, 12 encryption methods
OpenVPN Encryption	DES-CBC, RC2-CBC, DES-EDE-CBC, DES-EDE3-CBC, DESX-CBC, BF-CBC, RC2-40-CBC, CAST5-CBC, RC2-64-CBC, AES-128-CBC, AES-192-CBC, AES-256-CBC
IPsec	IKEv1, IKEv2, supports up to 5 x VPN IPsec tunnels (instances), with 5 encryption methods (DES, 3DES, AES128, AES192, AES256)
GRE	GRE tunnel
PPTP, L2TP	Client/Server services can run simultaneously, L2TPv3 support
SSTP	SSTP client instance support
STUNNEL	Proxy designed to add TLS encryption functionality to existing clients and servers without any changes in the program's code
DMVPN	Method of building scalable IPsec VPNs
WireGuard	WireGuard VPN client and server support
ZeroTier	ZeroTier VPN

Specification



Model	MPIR45
Monitoring & Management	
WEB UI	HTTP/HTTPS, status, configuration, FW update, CLI, troubleshoot, event log, system log, kernel log
FOTA	Firmware update from server, automatic notification
SSH	SSH (v1, v2)
SMS	SMS status, SMS configuration, send/read SMS via HTTP POST/GET
Call	Reboot, Status, Mobile data on/off, Output on/off
TR-069	OpenACS, EasyCwmp, ACSLite, tGem, LibreACS, GenieACS, FreeACS, LibCWMP, Friendly tech, AVSystem
MQTT	MQTT Broker, MQTT publisher
SNMP	SNMP (v1, v2, v3), SNMP trap
JSON-RPC	Management API over HTTP/HTTPS
Modbus	Modbus TCP status/control
RMS	Remote Management System (RMS)
Approvals	
Electromagnetic Compatibility	ECE Regulation No. 10 R, Amendment 06, Supplement 02 Approval no.: E24*10R06/02*4250*00
Global Certification Forum	Compliance with the GCF certification requirements of GCF and / or CC2
Software Security	Tested by NTT Security- The firmware is not susceptible to any immediate outside threats
REACH	Compliant
ROHS	Compliant
WEEE	Compliant
Low Voltage Directive (LVD) 2014/35/EU	Exempt < 75VDC
UKCA	Compliant
CE	Compliant
Intellectual Property	
Patent	Pending
UK	UK Registered Design (IPO)
EU	EU Registered Design (EUIPO)
Trade Marks	TRUEVIS Ltd™ MPIR45™
Copyright	Content and images are copyright protected
General	
Working Environment	-30°C to 50°C (-22°F to 122°F)
Ingress Protection Electronics	IP68
Dimensions	675H x 204W x 215D mm
Weight	6.351 KG
Warranty	
Duration	3 Years

Accessories



1.0 Solar powered Industrial Panel Model Number: SPIP45

Solar-powered industrial panel designed specifically for the MPIR45 router, ideal for locations without access to mains power. Its mobile tilt feature ensures easy transportation by allowing the unit to fold up. This solar kit can be swiftly redeployed to different sites and set up within minutes. Built to last, it boasts a durable powder-coated finish, ensuring longevity. It also includes a 15-day backup battery and related facilities.



Integral unit connecting MPIR45 and Solar Panel via pole

2.0 Solar CCTV System Model Number: SCS45

Plug & Play solar powered CCTV camera system for MPIR45 router, with individual solar panel.

- Connect up-to 100 SCS45 CCTV modules within a MPIR45 2.4Ghz network area to create a Redeployable CCTV system accessible from any mobile device, professional or self-monitoring via any broadband connection.
- Stunning 2K resolution CCTV camera, with H.265 video compression technology, captures ultra-clear images on intrusion detection.
- Full colour night vision.
- Smart alerts with a PIR sensor and person shape detection algorithm, the camera can accurately distinguish between people and animals on-site.
- Programable active defence function, the camera sets off a loud siren and flashes two spotlights upon detecting intruders.
- Two-way audio, communicate via two-way audio by using a smartphone, or voice message that plays automatically upon human motion detection.
- Flexible storage options: built in localised image and event storage, or via the cloud for fully encrypted cloud storage (at an additional subscription cost).
- Weatherproof - the camera is built with a durable, weatherproof enclosure that can withstand various weather conditions.
- Includes base plate which can be magnetically mounted to any metal structure such as a container or site office for fast relocation or permanently bolted to any other type of structure such as brickwork or cladding.





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