Managed Connectivity Solution

Enterprising Home WiFi

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ABOUT INDIO NETWORKS

Established : 2005

Indio Networks provides a complete range of wireless networking solutions for managing public and enterprise networks, Wi-Fi hotspots and IOT deployments.

Among the top 3 hotspot companies in the world

25000+ venues

16+ years of industry leadership

Presence in 45+ Countries

Offices in USA, UAE and India

Resellers in 20+ countries

Full range of WiFi Products

Multiple awards and recognitions

24x7 customer support

INDIO NETWORKS

INDIO's PROFILE

Indian OEM with deep expertise in WiFi Hardware, Firmware & Cloud Software

- AP SDK
- Open WIFI
- Little Hub

- Open AP
- Wi-Fi Analytics
- OSS/BSS Platform
- Custom Hardware

New Products

Custom Development

Hardware

Cloud Controller

- Indoor / Outdoor APs
- Network Controller
- LTE Routers
- Network Switches

- Cloud Controller
- Wi-Fi OSS/BSS
- Monetization
- Orchestrator

INDIO NETWORKS
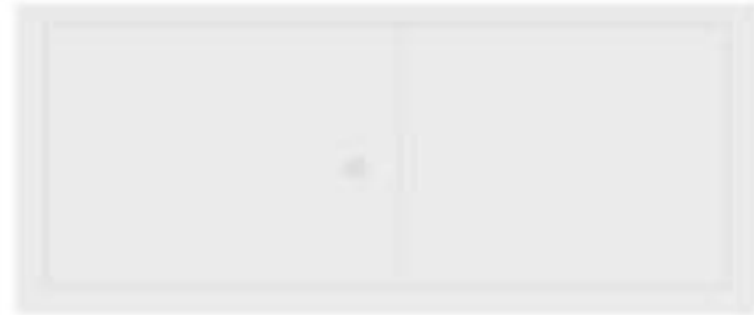
Work From Home Solution

(Enterprisation of Home WiFi)

WFH CHALLENGES

For Employers	For Employees
• WFH Access Management	• Unreliable Connectivity
• Recurring Cost of VPN	• VPN Configuration
• Employee BYOD	• Shared Home WiFi Access
• Enforcing Security Policies	• No QoS Guarantee
• Data Integrity	• Cost Increase Due to High Bandwidth Requirement
• Accountability & Tracking	
• Productivity Loss Due to Unreliable Internet	

Indio's WFH solution virtualizes enterprise Wi-Fi network inside employee's home

- Enterprise-class (WPA2-Enterprise) Security

- RADIUS authentication using 802.1x

  - Integrated with AD/LDAP server

- Corporate security policy enforcement

- Separate SSID for personal use (optional)

- SSID lock-in for Enterprise devices

- VPN tunnel for secured corporate network access; policy routing

- Home firewall & guaranteed QoS for high productivity

HOW DOES WFH WORK?

- Employee gets enterprise managed WFH gateway device

- Device is connected to the existing broadband modem

- Device automatically connects to its management server

- Device starts broadcasting secured WPA2-Enterprise Wi-Fi SSID pre-configured on the device management server

- A secured data tunnel is established for the enterprise SSID connecting it back to the office network

- IT team can enforce enterprise security and access policies

- Device can be put in quarantine whenever device is reported to be lost as an add-on security measures
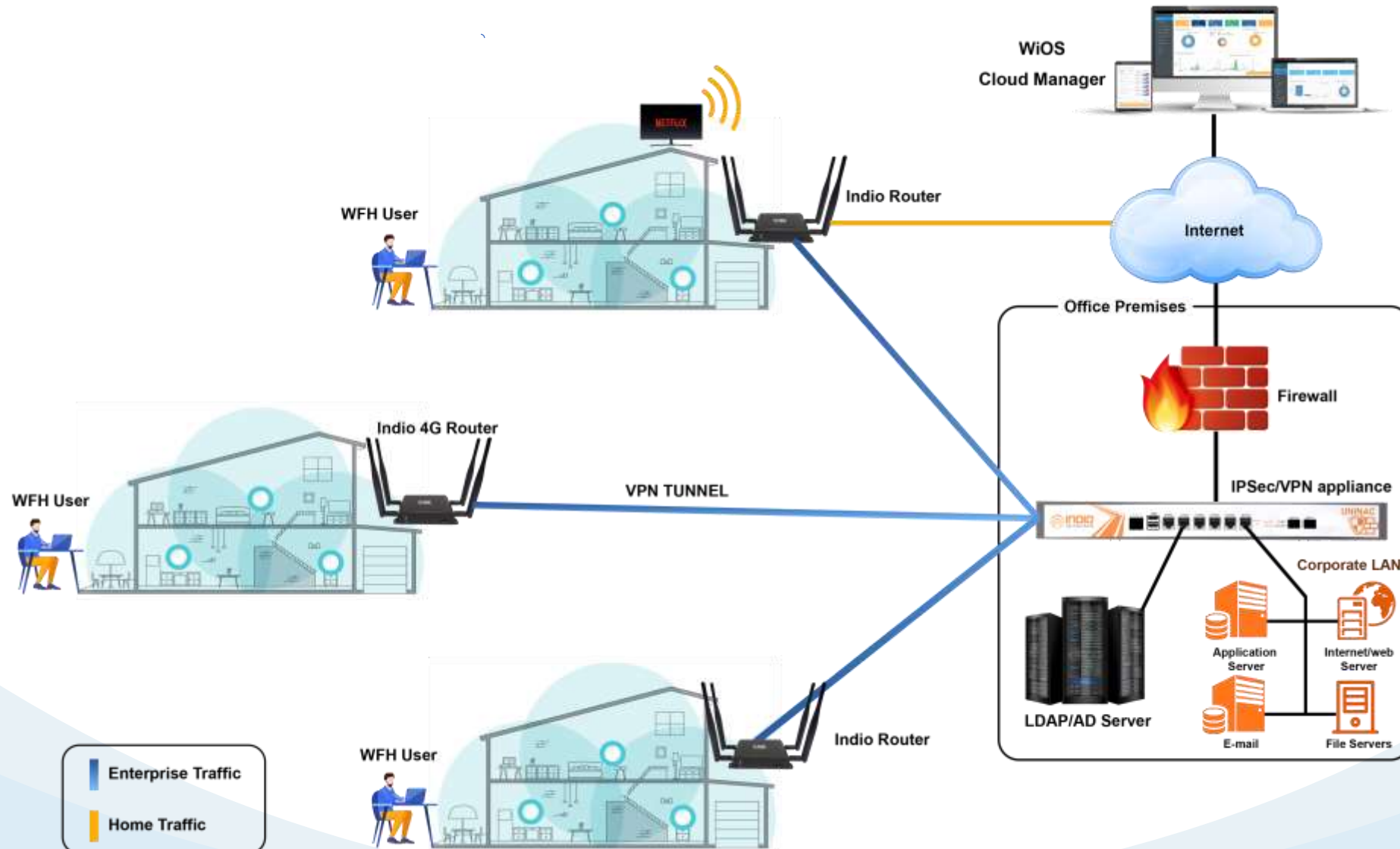
❑ **Enterprises get full control over office infrastructure**
❑ **access by all WFH employees**
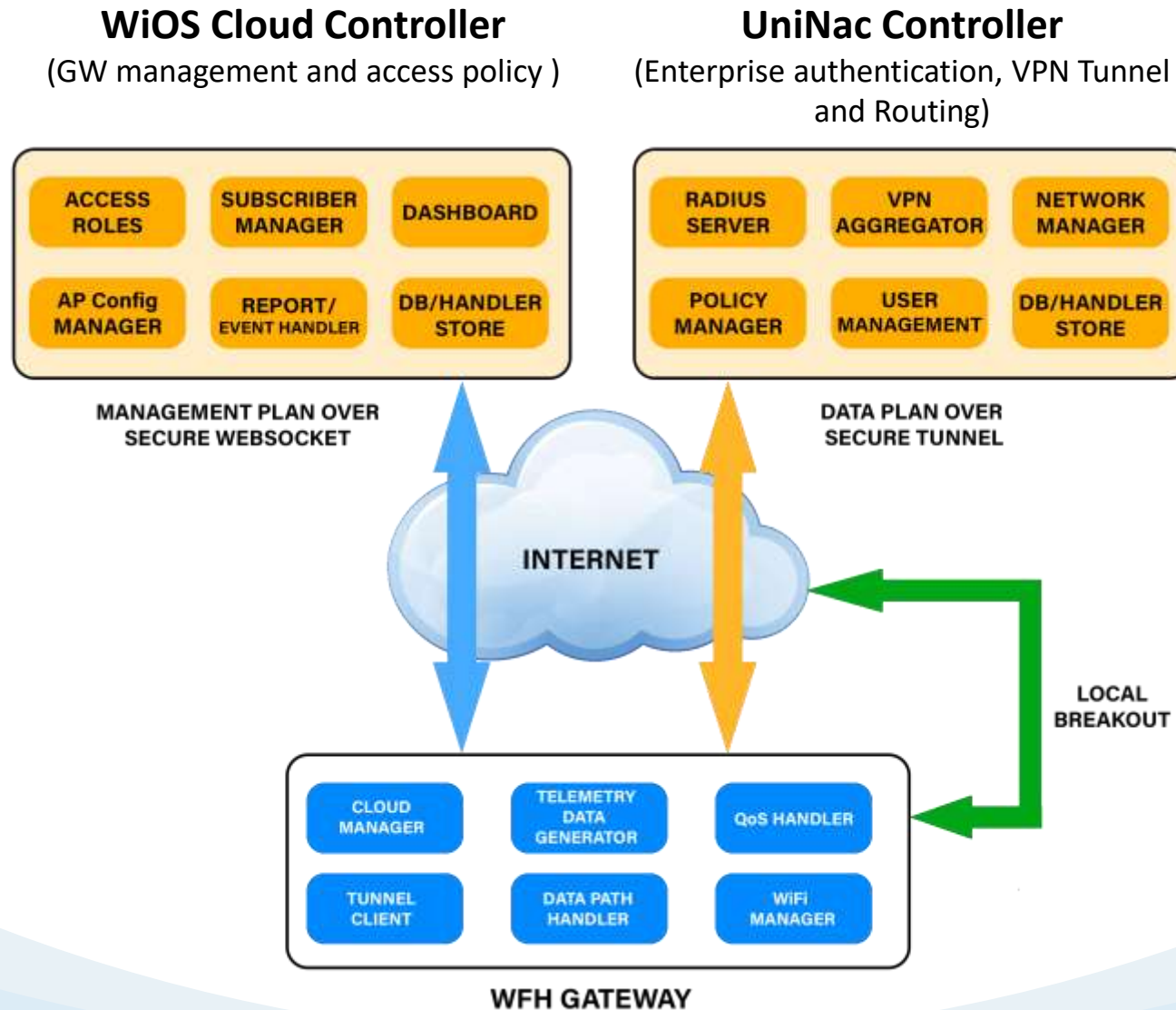
❑ **Saving on expensive VPN client licenses software**

❑ **Employees get freedom from technical know how**
❑ **related to handling of VPN client**

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WFH DEPLOYMENT ARCHITECTURE

WFH SOFTWARE ARCHITECTURE

WiOS Cloud Controller
(GW management and access policy)

UniNac Controller
(Enterprise authentication, VPN Tunnel and Routing)

ACCESS ROLES | SUBSCRIBER MANAGER | DASHBOARD
AP Config MANAGER | REPORT/ EVENT HANDLER | DB/HANDLER STORE

RADIUS SERVER | VPN AGGREGATOR | NETWORK MANAGER
POLICY MANAGER | USER MANAGEMENT | DB/HANDLER STORE

MANAGEMENT PLAN OVER SECURE WEBSOCKET

DATA PLAN OVER SECURE TUNNEL

INTERNET

LOCAL BREAKOUT

CLOUD MANAGER | TELEMETRY DATA GENERATOR | QoS HANDLER
TUNNEL CLIENT | DATA PATH HANDLER | WiFi MANAGER

WFH GATEWAY

INDIO's WFH vs TRADITIONAL VPN

	TRADITIONAL VPN	INDIO WFH
Solution type	Software based	Hardware based
Secured corporate network access	Yes	Yes
Device authentication & authorization	No	Yes
User authentication & authorization	Yes	Yes
Traffic control	Distributed	Centralized
Access provisioning	Installation and maintenance of individual user's machine is needed	Zero-touch
Internet high-availability	Not manageable	manageable
Internet reliability & QoS	Not manageable	manageable

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INDIO's WiOS Cloud Controller

Highly customizable, massively scalable, multi-tenant cloud platform

On-board AAA

Bandwidth Control

Configuration Manager

Hierarchy Management

Public / Pvt Cloud Controller

Multi-Vendor Support

Network Analytics

Deep Network Visibility

Policy Management

Firmware Upgrades

REST API

NMS & B/OSS

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INDIO's WiFi Router Features

Key Features Supported in Indio's WiFi AP/Router

Enterprise-grade Access Points

Cloud or Controller Managed
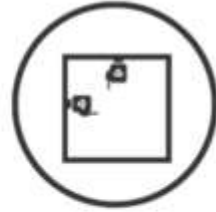
Single Console Administration
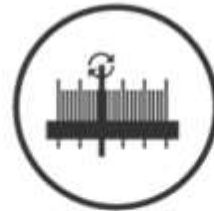
Long Range

Transmit Power Control

Hotspot / Captive Portal

Wall or Ceiling Mount

Mesh-enabled

Auto-channel Selection

Per-user Bandwidth Management

Plug-n-play Setup

Multiple SSIDs and VLAN

Remote Firmware Upgrade

PoE Enabled

Some features are hardware dependent and requires custom hardware capabilities to work e.g. PoE

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4G/LTE Routers (Remote Connectivity/High Availability Options)

DUAL SIM 4G/LTE ROUTERS FOR SMBs

Features

- Industrial-Grade 4G/LTE WiFi Routers

- Dual-SIM with Active-Active Configuration

- Bandwidth Aggregation & Auto Failover

- Ethernet ports for Broadband Input and Wired Connectivity

- Central (Cloud) Management

- Compatible with any 4G/LTE operator

- Zero Touch Provisioning

- Indoor and Outdoor Models

- Optional GPS Support

- Optional Internal/External Storage

- Single SIM Option Available

DUAL SIM 4G/LTE ROUTERS USECASES

SMB Enterprise CPE
- School, College, Hospital etc.

Mobile WiFi Hotspots
- Public WiFi access for Bus / Trams / Taxi / Metro
- Managed WiFi Access in Fairs / Campgrounds / Events

Broadband Failover
- Failover router for businesses (Broadband + 4G)
- Connectivity for ATMs / Smart Kiosks / Public Displays / POS terminals

Work From Home
- Home WiFi Router with auto 4G failover

IOT Gateway
- Internet gateway for IOT applications

Total Shipped/ Deployed 2000+

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MOBIMAX 4G/ LTE SERIES ACCESS POINTS

Enterprise-grade Mobile APs

Cloud or Controller Managed

Single Console Administration

Wider Coverage

Hotspot / Captive Portal

Vibration Proof

Built-In 4G Modem

Multiple SSIDs

Variable Input Voltage Support

Plug-n-play Setup

Remote Firmware Upgrade

On-board Storage

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