MANAGED WI-FI
DEDICATED

In the digital world, connecting people, processes, data and things is increasingly critical. Managed Wi-Fi Dedicated can seamlessly link these elements together, transforming an access technology into a key business enabler that unlocks unprecedented value from mobility.
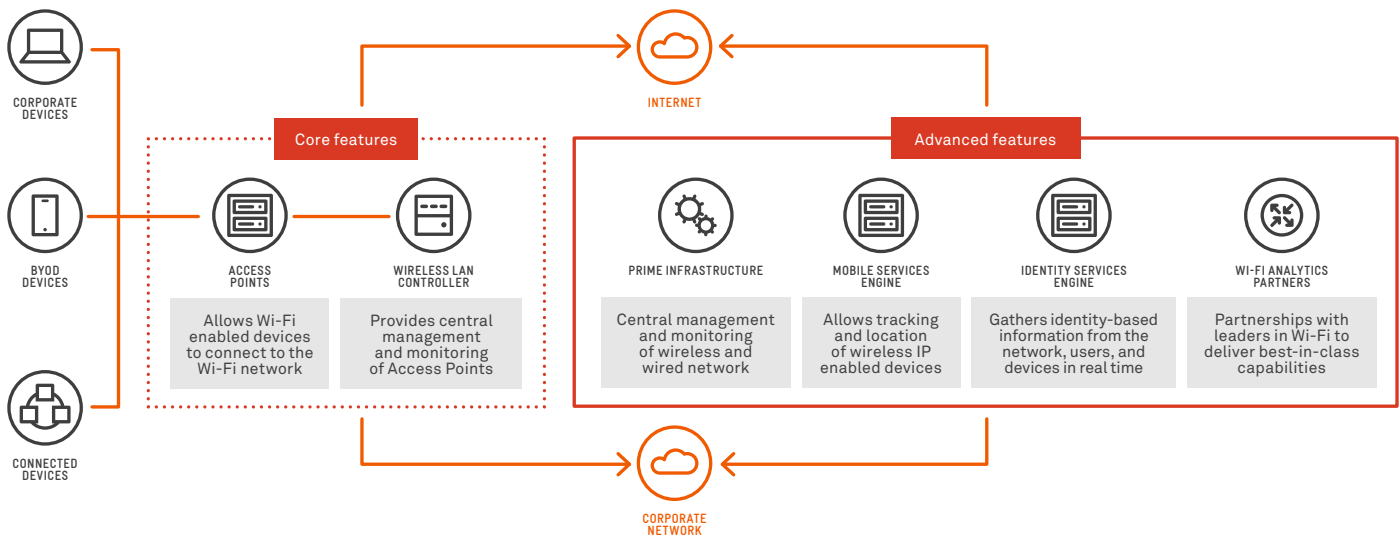
Managed Wi-Fi Dedicated is a fit-for-purpose solution offering exceptional security and control. You can easily apply access and security policies for staff, guests, contractors and the public, and extend them across sites by device, user role and application. This helps you create innovative workplaces to improve the way you work, engage with customers and manage connected assets.

Now you can securely meet the growing demand for mobile connectivity, including BYOD, from both staff and customers. You not only have new ways to engage with customers, you're able to increase productivity by helping staff work from multiple locations. With inbuilt quality of service, employees can also enjoy superior performance when using collaboration tools and business applications. In addition, you can use Wi-Fi with the internet of things to automate workflows and streamline processes.

Analytics provide deeper insight into operations. You can create more efficient workflows, increase the safety of workers on site, transform customer service, and enhance site layout. Or view how connected assets are utilised to improve the way they are allocated and managed.

Managed Wi-Fi Dedicated can be designed to work with many types of locations, from simple to complex and challenging, whether indoors or outdoors. What's more, it can easily scale to suit your changing needs. By using our fully managed service, you can enjoy the assurance of high availability, reduce the burden and cost of internal management, and have more time to focus on what you do best.

Features	Benefits
Site survey • A range of surveys from simple site and desktop surveys to complex environments like stadiums, warehouses or mining sites. • Delivered by the same staff who survey and build our own networks, so you can be assured of excellent performance.	• Helps reduce interference, increase coverage and provide cost-effective deployment. • Improves accuracy of location services through proper calibration to triangulate location and provide precise data analytics. • Helps ensure peak performance of real-time communications like voice and video.

On-site equipment
• **Wireless access points (WAPs):**
  – a range from simple to advanced
  – supports mixed-mode environments where 802.11ac and 802.11a/n clients coexist
  – supports both corporate access and public hotspots.
• **Cisco CleanAir Access Points:**
  – Wireless Interference Mitigation.
 	
• **Wireless LAN (WLAN) controllers:**
  – choice of standalone controllers or integrated controllers that support wired and wireless services on one platform.
	• Choose the WAP to suit your site requirements.
	• Most Wi-Fi enabled devices experience turbo-charged performance.
	• Only one access point needed to save you duplicating equipment.
	
	• Identifies the source, location and scope of detected interference such as microwaves and Bluetooth handsets, and takes automatic action to overcome it and increase network performance.
	• Provides a single point of management for multiple WAPs.
	• Enables splash page functions for public hotspots.
	• Integrated controllers can simplify management and reduce equipment costs.

Choice of Autonomous or Unified Modes: • **Autonomous Mode** • **Unified Mode, including mesh networks**	• Suits single deployments or smaller environments such as small offices where roaming is not needed. • Supports roaming across large, multi-functional environments such as combined office, recreation, accommodation and factory areas, both indoors and outdoors. Necessary if you have a public hotspot.
Standard reporting • Allows you to share the Prime Infrastructure Management platform we host. • Reports will be emailed to you monthly.	• Enables you to understand the health of the Wi-Fi environment including number of users, network utilisation, and interference.
Voice and data support • Quality of service to prioritise voice and video traffic.	• Helps ensure communications in real time work with reduced latency and jitter.

Core features		Advanced features			
ACCESS POINTS Allows Wi-Fi enabled devices to connect to the Wi-Fi network	**WIRELESS LAN CONTROLLER** Provides central management and monitoring of Access Points	**PRIME INFRASTRUCTURE** Central management and monitoring of wireless and wired network	**MOBILE SERVICES ENGINE** Allows tracking and location of wireless IP enabled devices	**IDENTITY SERVICES ENGINE** Gathers identity-based information from the network, users, and devices in real time	**WI-FI ANALYTICS PARTNERS** Partnerships with leaders in Wi-Fi to deliver best-in-class capabilities

Optional features

Network access control
Cisco Identity Services Engine
• Offers strict identification and enforcement combined with automated user on-boarding to the network.
• Profile user types – staff, corporate guests or the public.
• Assess the security clearance of devices for entry into the network.
• Authenticate and authorise appropriate access.

• Take full advantage of BYOD through a fast and secure way to help ensure multiple devices and users comply with your policies.
• Turn mobility into a business enabler by transforming the way staff talent is connected, accessed and leveraged.

Location tracking and analytics
Cisco Mobility Services Engine
• Track the location of up to 25,000 wireless devices to within a few metres.

• View and manage network capacity.
• Identify peak periods and popular zones to improve site layout, or staff and resource allocation.
• Help your staff work smarter and safer through access to relevant, real-time information.
• Manage equipment more efficiently and reduce costs.

Intrusion prevention
• Cisco Mobility Services Engine.
• Wireless Intrusion Prevention System.
• Cisco CleanAir Access Points.

• Provide constant, automated network scanning and analysis to help prevent rogue attacks and help ensure the safety and integrity of your data.

Eduroam
• Provides seamless federated user authentication and enforcement of local security policies across multiple education institutions.
• Participating institutions can add the Eduroam SSID to their Telstra managed Wi-Fi networks.

• Allows students, researchers and staff to gain secure wireless access using one username and password.
• Simpler control for administrators.

Management services

We can deliver a complete managed service that includes design, equipment (purchase or rent), installation, commissioning, plus equipment maintenance and management. Management can be either reactive, where you contact us when you detect a fault, or proactive which offers automatic monitoring and response to detected issues.

If you do not require management, we offer these options:

• Telstra equipment procurement and maintenance only: you install and configure the devices and manage them yourself. Please note, this service is only available in Australia

• Telstra design, procure, install and commission services: we procure, install and configure the Wi-Fi equipment, as well as design and test your networks. No management services are provided. If you decide to obtain management services later, no further installation or commissioning charges are payable.

About Telstra

We provide network services and solutions to more than 200 of the world's top 500 companies. They rely on us to do business across 240 countries and territories and to enable greater productivity, efficiency and growth.

Our solutions offer the best of all worlds – skilled people and a rich portfolio of services delivered on our world-class Telstra Next IP® network and Telstra mobile network. To ensure reliable performance, they're monitored and maintained from our dedicated centres using advanced management and operational systems. And they're backed by Telstra Enterprise-grade Customer Service® and one of Australia's largest and most qualified field and technical workforce.

⌂ contact your Telstra account executive
✆ call 1300 telstra
⟲ telstra.com/enterprise

Things you need to know
Managed Wi-Fi Dedicated is only available with a Telstra supplied data network.

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