



# PRE WI-FI SITE SURVEY QUESTIONNAIRE

*Please complete this questionnaire to confirm your requirements to enable us to provide a quotation*

*"Performance Matters"*

## 1 SITE DETAILS

Please enter the details of the site to be surveyed. If you have additional sites please complete additional questionnaires (one questionnaire per site).

### 1a Site Address

Please enter the details of the site to be surveyed.

*If you have additional sites please complete additional questionnaires (one questionnaire per site).*

<b>COMPANY NAME:</b>	
<b>COMPANY ADDRESS:</b>	
<b>SWITCHBOARD TELEPHONE:</b>	

### 1b Contact Details

Please designate a member of your staff to act as our main point of contact for the survey. Please note that the designated member of your staff must have technical knowledge and understanding of the required Wi-Fi coverage areas. It is important that this person be both present and available during the survey. Additional members of staff may be nominated if you are concerned as to availability of personnel.

CONTACT NAME	MOBILE TELEPHONE	E-MAIL ADDRESS

## HOW CAN WE HELP YOU?

DW WiFi The Woodlands Holding, Orchard Lane, Ironbridge TF8 7PA  
Tel: +44 (0)1952 432092 sales@dw-wifi.com [www.dw-wifi.com](http://www.dw-wifi.com)



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## 2 ACCESS REQUIREMENTS

Please detail any special access requirements that may be needed (e.g. security clearance, Health & Safety regulations, special clothing, etc.).

### 2a PPE Requirements

Please identify the required PPE for access to the required Wi-Fi coverage areas. Tick boxes as appropriate.

PPE Item	Required?	Provided?
Protective Footwear (Steel Toe Cap Boots)	<input type="checkbox"/>	<input type="checkbox"/>
High Visibility Jacket (Steel Toe Cap Boots)	<input type="checkbox"/>	<input type="checkbox"/>
Hard Hat / Ear Defenders	<input type="checkbox"/>	<input type="checkbox"/>
Other (Please Specify)	<input type="checkbox"/>	<input type="checkbox"/>

### 2b Health & Safety Requirements (RAMS)

The site survey process does NOT entail working at height or operating any machinery. It hence is rarely a requirement to fill out a risk assessment or method statement. There may be circumstances, however, where this is a requirement (for example on a green field site where construction work is in progress). The Wi-Fi engineer will require access to ALL areas where Wi-Fi coverage is a requirement. In these areas a mobile access point mounted on a tripod will need to be positioned within each required coverage area. The engineer will then need to walk each proposed coverage area with a Wi-Fi laptop computer to record essential information.

Question	Provided?
Any restrictions on your site on the usage of test equipment (AP Tripod/ Tablet)?	<input type="checkbox"/>
Any restrictions on taking photographs of access point locations?	<input type="checkbox"/>
Does our engineer need to attend a 'Health & Safety' induction?	<input type="checkbox"/>
Is a Risk Assessment required?	<input type="checkbox"/>
Is a Method Statement required?	<input type="checkbox"/>
Are Work Permits required?	<input type="checkbox"/>

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## 3 WI-FI SITE SURVEY REQUIREMENTS

Our Wi-Fi survey engineer, where possible, will conduct survey with your choice of access point. We also need to know the type of survey (i.e. which Wi-Fi bands you require).

### 2a Access Point Brand & Model

Please input the make and model of access point you wish to deploy. If you don't have a preference, please call us and we will be happy to offer advise.

Access Point Brand	Image	Tick	Model (If Known)
Extreme Networks (Aerohive)		<input type="checkbox"/>	
Extreme Networks (WiNG)		<input type="checkbox"/>	
Cisco (Aironet)		<input type="checkbox"/>	
Cisco (Meraki)		<input type="checkbox"/>	
Other (Please Specify)		<input type="checkbox"/>	

### 2b Select Wi-Fi Band

Most access points are dual 2.4 GHz and 5 GHz band, You hence have the option of deploying Wi-Fi in the 2.4 GHz band only, the 5 GHz band or both bands.

Please select the required option from the following list by placing a tick in the appropriate box. Again, DW WiFi will be happy to advise.

Question	Tick
2.4 GHz Band Only?	<input type="checkbox"/>
5 GHz Band Only?	<input type="checkbox"/>
2.4 GHz & 5 GHz Bands ?	<input type="checkbox"/>

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## 4 PROPOSED OFFICE WI-FI DEVICES

It is important that DW WiFi are made aware of any clients that have been proposed for the wireless project for office environments and potentially site wide (if using phones)

### 4a Enterprise Devices (Laptops, tablets, mobile phones etc)

Please place a tick against any of the devices that have been proposed for your wireless project and indicate the proposed quantity of each.

Description	Image	Tick	Quantity
Wi-Fi Computers / Tablets		<input type="checkbox"/>	
Wi-Fi Smart Phones		<input type="checkbox"/>	
Wi-Fi Printers		<input type="checkbox"/>	
Wi-Fi VoIP Phones		<input type="checkbox"/>	
Other (Please Specify)		<input type="checkbox"/>	

### 4b Required Minimum Wi-Fi Signal Level

We recommend a minimum RSSI (Wi-Fi Signal Strength) of -70 dBm for data. This increases to -65 dBm for 'Voice' devices such as VoIP phone handsets. Please confirm, if known, the minimum Wi-Fi signal level in the table below.

Question	Tick
Minimum RSSI for data (e.g. laptops/tablets, cell phones) -70 dBm	<input type="checkbox"/>
Minimum RSSI for voice (e.g. VoIP phones) -65 dBm	<input type="checkbox"/>
Other, please specify required minimum RSSI _____ dBm	<input type="checkbox"/>

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## 5 PROPOSED DATA CAPTURE WI-FI DEVICES

It is important that DW WiFi are made aware of any clients that have been proposed for the wireless project for factory and warehouse environments where Wi-Fi data capture devices are to be deployed.

### 5a Data Capture Enterprise Devices

Please place a tick against any of the devices that have been proposed for your wireless project and indicate the proposed quantity of each.

Description	Model	Tick	Quantity
Zebra (Android) Devices		<input type="checkbox"/>	
Zebra Printers		<input type="checkbox"/>	
Honeywell (Android) Devices		<input type="checkbox"/>	
Honeywell Intermec Printers		<input type="checkbox"/>	
Other (Please Specify)		<input type="checkbox"/>	

### 5b Required Minimum Wi-Fi Signal Level

We recommend a minimum RSSI (Wi-Fi Signal Strength) of -70 dBm for data capture purposes. Please confirm, if known, the minimum Wi-Fi signal level in the table below.

Question	Tick
Minimum RSSI for Wi-Fi Data Capture	-70 dBm
Other, please specify required minimum RSSI	_____ dBm

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## 6 SITE CONDITIONS

It is important that DW WiFi are made aware of the existing LAN and WLAN infrastructure currently deployed at your site. Please can you complete as much as possible of this section.

### 6a Ethernet Network

Please place a tick against any of the devices that have been proposed for your wireless project and indicate the proposed quantity of each.

Question	Tick
Do you have existing Ethernet Switches in proposed Wi-Fi coverage areas?	<input type="checkbox"/>
If yes, is there spare capacity for connection of proposed access points	<input type="checkbox"/>

### 6b Existing WLAN

Part of the site survey process will be to identify the presence of existing Wi-Fi access points as these are a potential interference threat. If known, please identify in the table below any Wi-Fi access points deployed on your site.

Manufacturer (e.g. Cisco)	SSID	2.4 GHz	5 GHz
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

### 6c Wi-Fi Interference

Please can you ascertain whether there are any other forms of equipment on site operating at 2.4 GHz or 5 GHz. This is potentially a source of interference to the wireless access points.

Device Type (e.g. DECT Phone)	Manufacturer	2.4 GHz	5 GHz
		<input type="checkbox"/>	<input type="checkbox"/>
		<input type="checkbox"/>	<input type="checkbox"/>

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## 7 FINAL CHECKLIST

Please complete this final section to confirm you have provided the necessary information for DW WiFi Ltd to be able to provide a quotation and book an on-site appointment to carry out the Wi-Fi site survey.

### 7a Site Plans

Site plans and/or floor plans will be required for each area of your site where Wi-Fi coverage is required. The site plan can be in PDF, JPEG or DWG format. Where possible please provide duplicate plans onto which the required Wi-Fi coverage areas are marked/shaded in.

#### IMPORTANT

**A site plan and/or floor plans is a requirement in order to conduct the site survey. In the event that a site plan can NOT be made available additional time on site will be required in order to manually produce a site plan.**

### 7b Confirmation Table

Please can you answer the following questions specific to the required coverage areas and their environmental conditions.

Question	Please Indicate
Please confirm site plans have been provided?	
Please confirm the required Wi-Fi coverage areas have been clearly identified on the site plans?	
Please advise if there are any planned changes to the layout of any of the proposed Wi-Fi coverage areas?	
How many buildings are required to be covered	
Are there multiple floors / mezzanine levels required to be covered?	
Approximate size of areas to be covered (number of football pitches)?	
Are there any Cold Store / Chiller areas requiring coverage	
At what temperatures do the Cold Stores / Chillers operate at?	
Are any areas subject to excessive moisture or dust?	
Are there any external areas requiring coverage	
Are there any Intrinsically safe areas requiring coverage	

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