

Ericsson W20

Fixed Wireless Terminal for WCDMA/HSDPA
Mobile Networks

Quick Installation Guide



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INTRODUCTION

This *Quick Installation Guide* provides instructions on how to install and get started with your Ericsson W20 Fixed Wireless Terminal.

For further information about the product, advanced configuration, and troubleshooting, see the User's Guide included on the enclosed CD.

For information about connection of services, please contact your service provider.

NOTE! *Carefully read the document containing safety and regulatory information included on the enclosed CD.*

PACKAGE CONTENTS

The Ericsson W20 package includes the items listed below:

- Ericsson W20 unit
- UMTS/GSM antenna
- Power supply adapter
- Power cord
- Ethernet cable
- Quick Installation Guide
- CD

Verify that all items are included in the package before proceeding with the installation. If any item is missing or damaged, please contact the dealer/service provider from which the equipment was purchased.

REQUIREMENTS

To install your Ericsson W20 you need the following items:

- A SIM card and configuration details (such as PIN code, APN, etc.) provided by your service provider. The SIM card contains information about your subscription and the services included.
- A PC with an Ethernet network interface for basic configuration of the unit.

INSTALLATION

The installation procedure is divided into three steps:

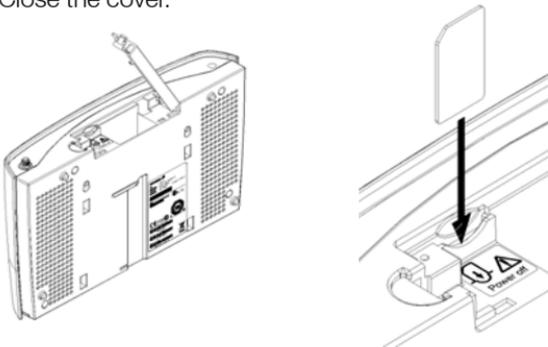
1. Preparation of the Ericsson W20, where necessary physical connections are made.
2. Basic configuration, where the mobile network and wireless LAN connections are configured.
3. Identification of a suitable location and wall mounting the unit.

Be sure to follow these steps as described on the following pages to successfully install the Ericsson W20.

1 - UNIT PREPARATION

1. Insert the SIM card

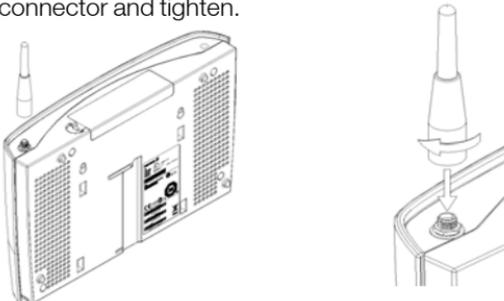
Open the cover on top of the unit and insert the SIM card. Ensure that the SIM card is inserted in the correct position. Close the cover.



NOTE! *The Ericsson W20 must be disconnected from the power mains when inserting or removing the SIM card.*

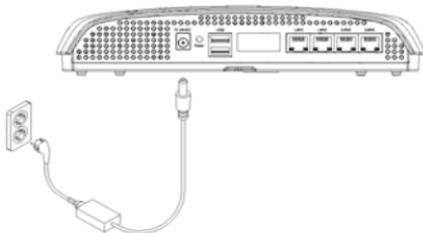
2. Connect the antenna

Connect the provided UMTS/GSM antenna to the antenna connector and tighten.



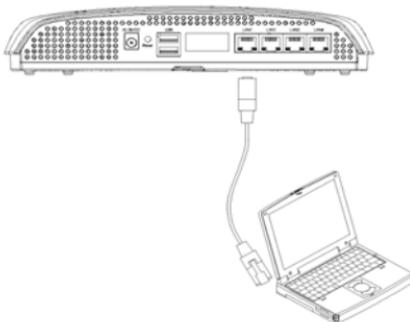
3. Connect power

Connect the cable from the enclosed power supply adapter to the **10-28 VDC** power input on the Ericsson W20. Connect the power cord to the power supply adapter and then insert the plug into a mains outlet.



4. Connect a PC

Attach the enclosed Ethernet cable to one of the **LAN (1-4)** connectors on the Ericsson W20 and connect the other end to the Ethernet connector on a PC. This connector is most likely marked with this symbol:



After power up, allow approximately one minute for start-up before proceeding to the next step.

2 - BASIC CONFIGURATION

1. Access the Ericsson W20 Web pages

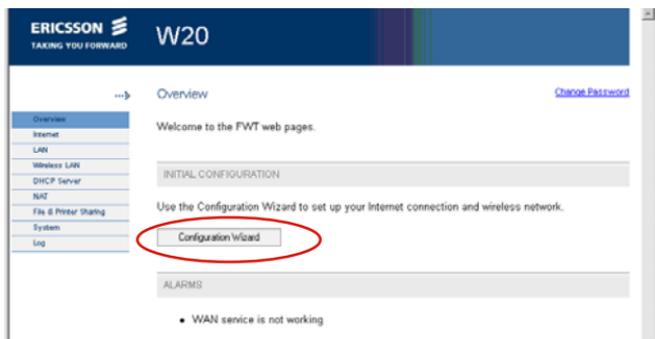
Start a web browser on the PC connected to your Ericsson W20, type **http://192.168.1.1** in the address field, and press the Enter key. The “User login” page is displayed as shown on the next page.

NOTE! *If this page does not appear, verify that the TCP/IP settings in the PC are set to “Obtain an IP address automatically”.*

The “User login” page is displayed:



Type **user** in both the “User name” and “Password” text fields and click the **Login** button. The “Overview” page is displayed:



2. Run the Configuration Wizard

The Configuration Wizard can be used for easy setup of the mobile network and wireless LAN connections.

To start the wizard, click **Configuration Wizard** and then follow the onscreen instructions to complete the wizard.

Only enter the Internet authentication details (PIN, APN, and/or PPP details) you have received from your service provider, and leave other text fields empty.

There are important security issues involved when using a wireless LAN. Please read the information in the User’s Guide.

3. Mobile network search

Once you have finished the Configuration Wizard, the Ericsson W20 automatically starts searching for a network. This is indicated by the flashing **Mobile Network** indicator.

When a network is found, the **Mobile Network** indicator shows a steady green or yellow light depending on the type of mobile network (UMTS or GSM) with which your Ericsson W20 has established a connection.

3 - CHOOSING A LOCATION

The Ericsson W20 has primarily been designed to be wall mounted. Always select an indoor location, preferably close to a window and the ceiling which generally will give the best conditions for both the mobile network and wireless LAN.

For best results, place the Ericsson W20 away from microwave ovens and other transmitters (e.g. security/alarm systems) as they can cause signal interference.

UMTS/GSM signal quality

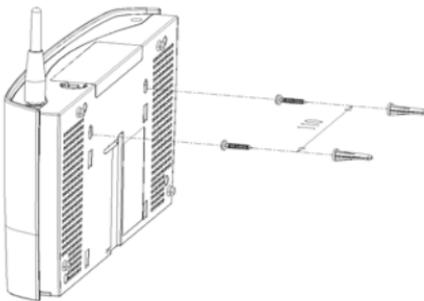
The Ericsson W20 connects to the UMTS mobile network, and if it is not available the GSM network is used as fall-back. The UMTS/GSM signal quality available at the Ericsson W20 location affects the performance of the unit.

The signal quality can be verified on the Ericsson W20 **Internet** web page.

If you experience poor reception quality, an external antenna (indoor window or outdoor roof mounted) may improve reception. Such antennas are available as accessories for the Ericsson W20.

Wall mounting

The Ericsson W20 is mounted to the wall using two screws and the two mounting slots on the unit.

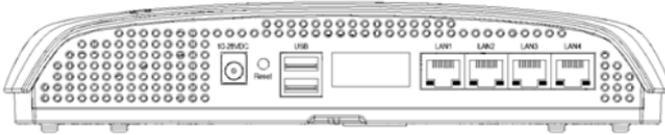


Insert and secure two screws in the wall at a distance of 110 mm. Leave a space of approximately 3 mm between the surface and the bottom of the screw heads. Slip the Ericsson W20 slots over the screw heads and pull down until the unit is seated securely.

HARDWARE DESCRIPTION

CONNECTORS

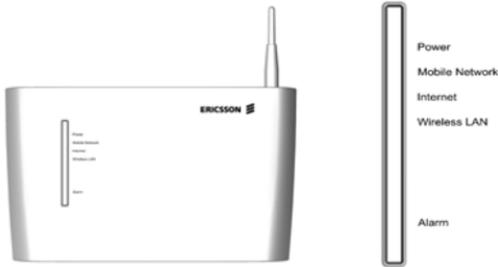
The connectors on the Ericsson W20 are positioned as shown in the illustration below. A description of each connector is provided in the table below (from left to right):



Label	Description
10-28 VDC	Power input for connecting the included power supply adapter.
Reset	<p>Reset button used to restore the Ericsson W20 to its factory default settings.</p> <p>The following procedure will reset ALL configurable values back to their factory default, including the login User name and Password:</p> <ol style="list-style-type: none">1. Disconnect the power cable from the Ericsson W20.2. Press and hold the Reset button with the tip of a pen and then reconnect the power cable. Keep the button pressed for at least 20 seconds.3. The Ericsson W20 will restart and come online with the factory default settings.
USB	USB connectors, for connecting the Ericsson W20 to USB devices (for printer and file sharing).
LAN 1-4	Ethernet LAN connectors (RJ45), for connecting the Ericsson W20 to client PCs or an Ethernet switch/hub.

INDICATORS

The front panel of the Ericsson W20 has five (5) status indicators. A general description of each indicator is provided in the table below (from top to bottom):



Text	Status	Description
Power	Green Unlit	Power is on. Power is off.
Mobile Network	Green Yellow Flashing Unlit	UMTS network is available. GSM network is available. Searching for a connection. No connection to the mobile network.
Internet	Green Unlit	Connection to Internet established. No Internet connection.
Wireless LAN	Green Unlit	The Wireless LAN is active. The Wireless LAN is inactive.
Alarm	Red Unlit	Various error conditions specified on the Ericsson W20 Overview web page. No error.

The four Ethernet LAN connectors (LAN1-LAN4) have two built-in green indicators each, one indicating link and the other indicating activity.

