

# Tehran Communications jointly builds 5g base stations



## Overview

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5G is the fifth generation of technology and the successor to . First deployed in 2019, its technical standards are developed by the (3GPP) in cooperation with the 's program. 5G networks divide coverage areas into smaller zones called cells, enabling devices to connect to local via radio. Each station connects to the broader

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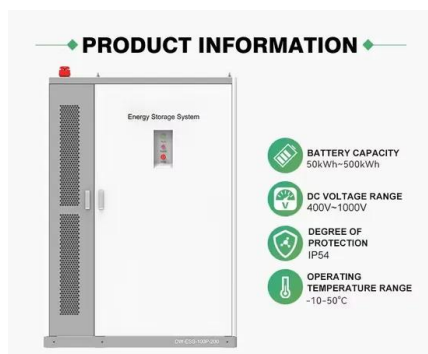


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From Embb to Embb+From URLLC to Urllc+From MMTC to Mmtc+Multi-Dimensional Energy Saving For Eco-Friendliness5G expands the IoT from narrowband IoT (NB-IoT) to mMTC, which supports millions of connections per square

kilometer, and broadband IoT, which features a channel rate of 100 Mbit/s. 5.5G will also expand IoT technologies and applications to make them more lightweight and ubiquitous. Reduced capability (RedCap) devices, for example, support medium-s See more on huawei ito.gov

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In the space domain, 5.5G base stations can adaptively adjust the number of activated spatial elements to save energy, including the transmit unit, antenna panel, and logical antenna port.



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