CLAIMS

1. An information receiving method, applied to a target terminal and comprising:

monitoring target downlink information within a preset monitoring occasion for the target downlink information; and

if it is determined that target downlink information specific to the target terminal is absent within the preset monitoring occasion, stopping, before an end time of the preset monitoring occasion, monitoring the target downlink information within the preset monitoring occasion;

wherein, if it is determined that target downlink information specific to the target terminal is absent within the preset monitoring occasion, stopping, before the end time of the preset monitoring occasion, monitoring the target downlink information within the preset monitoring occasion comprises:

determining, if an identity of the target terminal is not carried in n pieces of target downlink information that are detected within the preset monitoring occasion, that target downlink information specific to the target terminal is absent within the preset monitoring occasion, wherein n is an integer greater than or equal to 1; or,

if transmission indication information and scheduling information for the target downlink information are detected within the preset monitoring occasion before the target downlink information is detected, and the target downlink information is not scheduled by the scheduling information for the target downlink information, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion.

2. The method according to claim 1, further comprising:

determining the preset monitoring occasion for the target downlink information based on reception configuration information for the target downlink information, wherein the reception configuration information for the target downlink information is configured by a network-side device or specified by the protocol.

3. The method according to claim 2, wherein the reception configuration information for the target downlink information further comprises a receiving period for the target downlink information, and/or, reception resource configuration information for the target downlink information.

4. The method according to claim 3, wherein when the reception configuration information for the target downlink information comprises the reception resource configuration information for the target downlink information,

the reception resource configuration information for the target downlink information

comprises:

one or more reference signal identifiers; and

reception resource configuration information associated with each reference signal identifier.

5. The method according to claim 1, wherein the determining, if the identity of the target terminal is not carried in n pieces of target downlink information that are detected within the preset monitoring occasion, that target downlink information specific to the target terminal is absent within the preset monitoring occasion comprises:

if the identity of the target terminal is not carried in n pieces of target downlink information that are detected on resources associated with each of at least one reference signal identifier within the preset monitoring occasion, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion; or

if the identity of the target terminal is not carried in n pieces of target downlink information that are detected on resources associated with each reference signal identifier within the preset monitoring occasion, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion; or

if the identity of the target terminal is not carried in n pieces of target downlink information that are detected on resources corresponding to a plurality of reference signal identifiers within the preset monitoring occasion, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion.

6. The method according to any one of claims 1 to 5, wherein the target downlink information comprises at least one of the following information:

a paging message, system information, and discontinuous reception DRX information.

7. A terminal, wherein the terminal is a target terminal, and comprises:

a monitoring module, configured to monitor target downlink information within a preset monitoring occasion for the target downlink information; and

a stopping module, configured to: if it is determined that target downlink information specific to the target terminal is absent within the preset monitoring occasion, stop, before an end time of the preset monitoring occasion, monitoring the target downlink information within the preset monitoring occasion;

wherein if it is determined that target downlink information specific to the target terminal is absent within the preset monitoring occasion, stopping, before the end time of the preset monitoring occasion, monitoring the target downlink information within the preset monitoring occasion comprises:

if an identity of the target terminal is not carried in n pieces of target downlink information that are detected within the preset monitoring occasion, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion, wherein n is an integer greater than or equal to 1; or,

if transmission indication information and scheduling information for the target downlink information are detected within the preset monitoring occasion before the target downlink information is detected, and the target downlink information is not scheduled by the scheduling information for the target downlink information, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion.

8. The terminal according to claim 7, further comprising:

an interval determining module, configured to determine the preset monitoring occasion for the target downlink information based on reception configuration information for the target downlink information, wherein the reception configuration information for the target downlink information is configured by a network-side device or specified by the protocol.

9. The terminal according to claim 7, wherein the determining, if the identity of the target terminal is not carried in n pieces of target downlink information that are detected within the preset monitoring occasion, that target downlink information specific to the target terminal is absent within the preset monitoring occasion comprises:

if the identity of the target terminal is not carried in n pieces of target downlink information that are detected on resources associated with each of at least one reference signal identifier within the preset monitoring occasion, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion; or

if the identity of the target terminal is not carried in n pieces of target downlink information that are detected on resources associated with each reference signal identifier within the preset monitoring occasion, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion; or

if the identity of the target terminal is not carried in n pieces of target downlink information that are detected on resources corresponding to a plurality of reference signal identifiers within the preset monitoring occasion, determining that target downlink information specific to the target terminal is absent within the preset monitoring occasion.

10. A terminal, comprising a processor, a memory, and a computer program stored in the memory and capable of running on the processor, wherein when the computer program

is executed by the processor, the steps of the information receiving method according to any one of claims 1 to 6 are implemented.

11. A computer-readable storage medium, wherein the computer-readable storage medium stores a computer program, and when the computer program is executed by a processor, the steps of the information receiving method according to any one of claims 1 to 6 are implemented.