

# DIN EN 14908-8:2025-02 (E)

## Open Date Communication in Building Automation, Controls and Building Management - Control Network Protocol - Part 8: Communication using Broadband over Power Line Networks - with internet protocols; English version EN 14908-8:2021

---

<b>Contents</b>	<b>Page</b>
<b>European foreword</b> .....	<b>3</b>
<b>Introduction</b> .....	<b>4</b>
<b>1 Scope</b> .....	<b>5</b>
<b>2 Normative references</b> .....	<b>5</b>
<b>3 Terms and definitions</b> .....	<b>5</b>
<b>4 Abbreviations</b> .....	<b>8</b>
<b>5 Physical and Media Access Control Layer</b> .....	<b>9</b>
<b>6 Media Access Control (MAC) Sublayer</b> .....	<b>9</b>
<b>6.1 Overview</b> .....	<b>9</b>
<b>6.2 Pairwise Key</b> .....	<b>10</b>
<b>6.3 MAC addressing</b> .....	<b>10</b>
<b>6.4 IP addressing</b> .....	<b>10</b>
<b>6.4.1 Role of the Basic Service Set Manager</b> .....	<b>10</b>
<b>6.4.2 IPv4 multicast address</b> .....	<b>10</b>
<b>6.4.3 IPv6 multicast address</b> .....	<b>10</b>
<b>6.5 UDP port</b> .....	<b>10</b>
<b>6.6 Time to Live (TTL)</b> .....	<b>10</b>
<b>6.7 CNP/HD-PLC service frame format</b> .....	<b>11</b>
<b>6.7.1 General CNP/HD-PLC service frame format</b> .....	<b>11</b>
<b>6.7.2 CNP/HD-PLC data section</b> .....	<b>12</b>
6.7.2.1 CNP/HD-PLC data types .....	12
6.7.2.2 CNP/HD-PLC LPDU container .....	12
6.7.2.2.1 CNP/HD-PLC LPDU container type 1.....	12
6.7.2.2.2 Length info for CNP LPDU .....	14
6.7.2.2.3 Originator MAC address.....	14
6.7.2.2.4 CRC calculation .....	14
6.7.2.2.5 Aggregation .....	14
<b>Annex A (informative) Standard Transceiver file</b> .....	<b>15</b>
<b>Annex B (normative) Security</b> .....	<b>16</b>
<b>Annex C (informative) Congestion control</b> .....	<b>17</b>
<b>Bibliography</b> .....	<b>18</b>