Type:

Data packet

-Hidden & Output layers

-Input Layer

Control packet

PE

Input Number and Bias

Weight

Activation Function

- look up table

- upper bound value

- lower bound value

Switch

Forwarding table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | 5 | 8 | 8 | 32 |
| type | sequence number | optional | source | result |

Data Packet=000

Hidden & Output layers

Input Layer

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | 5 | 8 | 8 | 32 |
| type | sequence number | index | source | input |

Input Number & Bias

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | 5 | 8 | 8 | 32 |
| type | sequence number | destination | input number | bias |

Weight

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | 5 | 8 | 8 | 32 |
| type | sequence number | destination | source (weight) | weight |

Activation function

|  |  |  |  |
| --- | --- | --- | --- |
| 3 | 5 | 16 | 32 |
| type | sequence number | optional | data |

Forwarding table

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 3 | 8 | 3 | 10 | 32 |
| type | row number | fractional  number | optional | data |