

Veristand UDP Header Definition

Index	Parameter	Description
0	Packet Size Type: U16	This is the number of bytes in the packet. This includes the packet header and the channel data.
1	Protocol Revision Type: U8	Tracks the revision of the Veristand UDP data structuring for this packet. Should be statically set to 1.
2	System Definition Version Type: U64	Tracks the version of the system definition. The two most significant bytes are 0. MSB [Major] – 1 Byte [Minor] – 1 Byte [Fix] – 2 Bytes [Build] – 2 Bytes LSB
3	Source Node Name Type: U8 [32]	A byte array that contains the first 32 characters of the Veristand Controller producing the transmit packet.
4	Packet ID Type: U32	Transmit: Identifies the index of the packet as identified in the system definition. Receive: Identifies the index of transmit packet it is expecting to handle. Multi-packet transmission is not currently supported on the same port.
5	Channel Count Type: U32	Identifies the number of post-header channel data fields are present in the packet.
6	Sequence Number Type: U64	Identifies the current transmit count of the packet. Starts at 0 and increments each time a packet is sent.
7	Timestamp Type: DBL	Transmit: The current value present on the Timestamp channel for the packet. Receive: Not actively used at this time by receive packets. This field still needs to be allocated in the header.