

# lexicon

| Word/technical term                | Definiton   |
|------------------------------------|---|
| SHER-Bus                           | Systemwide Hub for Efficient Routing Bus or SHER-Bus Handles Extensive Resource Bridging, Unifying Systems                |
| Bus                                | Computer interface allowing communication between circuit   |
| Bridge                             | Integrated circuit managing translaion between SHER-Bus and other slower speed bus  |
| Controller                         | Bus manager   |
| End-Bridge                         | Integrated circuit managing translaion between SHER-Bus and other higher/same speed bus                                   |
| M-LVDS                             | Multipoint Low voltage differential signaling   |
| Differential pair/<br>Twisted pair | <a href="https://en.wikipedia.org/wiki/Differential_signalling">https://en.wikipedia.org/wiki/Differential_signalling</a> |
| Backplane                          | Printed cicuit board which other PCB can be sloted in allowing communication between them                                 |
| Implementer/ Bus<br>Implementer    | Person/enterprise that implement a SHER-Bus system using mutiple component  |
| Bridge Implementer                 | Person/enterprise that implement a bridge compatible with the SHER-Bus system   |
| Protocol                           | How message are constructed   |
| Communication<br>Stack/ Stack      | Message hierarchy   |
| Layer                              | message or family of message on the same level in the communication stack   |
| Messages                           | Way of ordering inofrmation   |
| Transaction                        | exchange of data on the bus following SHER-Bus protocol   |