ISO/IEC 24079:2024-07 (E)

Information technology - Network Controller Sideband Interface (NC-SI) specifications collection

Contents

Page

Foreword xi
Introduction xiii
1 Scope 1
2 Normative references 2
3 Terms and definitions 3
3.1 Requirement term definitions 3
3.2 NC-SI term definitions 4
3.3 Numbers and number bases 6
3.4 Reserved fields 6
4 Symbols and abbreviated terms 6
5 Network Controller Sideband Interface (NC-SI) Specification (DSP0222) 8
5.1 NC-SI overview 8
5.2 Operational behaviors 14
5.3 Arbitration in configurations with multiple Network Controller packages 35
5.4 Packet definitions 45
5.5 Packet-based and op-code timing 105
5.6 RBT Electrical specification 107
6 Network Controller Sideband Interface (NC-SI) Collection (DSP0261) 114
6.1 NC-SI over MCTP overview 114
6.2 NC-SI over MCTP specific considerations 116
6.3 Supported NC-SI commands 126
6.4 Message types 128
6.5 NC-SI support specific to MCTP transport 132
6.6 Packet-Based Timing Specific to MCTP Binding 135
ANNEX A (normative) Extending the model 136
A.1 Commands extension 136
A.2 Design considerations 136
ANNEX B (informative) Relationship to RMII Specification 137
ANNEX C (informative) Notation and conventions 139
Bibliography 140