

Layers 6, 7

Application:
network variable exchange
application-specific TPC, etc.

Network Management:
network management RPC,
diagnostics

Layer 5

Session Layer
Request-response

Layer 4

Transport Layer
Acknowledged and unacknowledged unicast and multicast

Authentication
Server

Transaction Control Sublayer
Common ordering and duplicate detection

Layer 3

Network Layer
Connection-less, domain-wide broadcast, no segmentation,
loop-free topology, learning routers

Layer 2

Link Layer
Framing, data encoding, CRC checking

MAC Sublayer
Predictive p-persistent CSMA: collision avoidance
optional priority and collision detection

Layer 1

Physical Layer
Multiple-media, medium-specific protocols

Application
Software

USART
in
LON Mode

Transceiver