SDS200

Virtual Serial on Network Protocol Specification

Version 1.00
2019/01/23

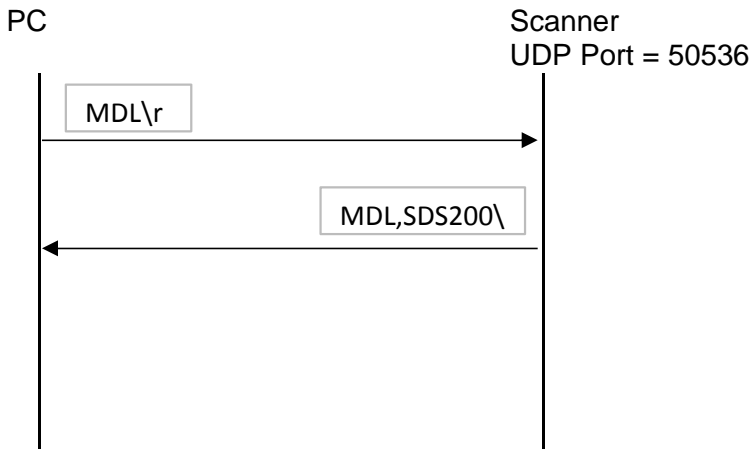| Date	Version	Contents
2018/04/13	1.00	1st Edition

1. Summary
   Virtual Serial on Network protocol defines virtual serial service.
   This protocol uses **UDP Port 50536** for compatibility BCD536HP.

   See "Remote Command Specification" for remote command.

   If you send packet which remote command is written to,
   scanner will return response of remote command.
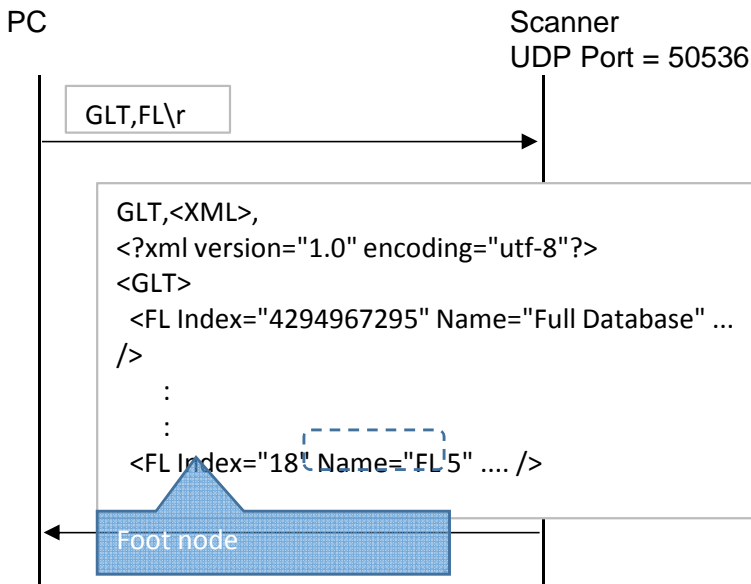   You don't need negotiation. You don't need protocol header.

2. Normal Remote command

   PC   Scanner
                                           UDP Port = 50536

   | MDL\r |
   ──────────────────────────────────────▶

                        | MDL,SDS200\ |
   ◀──────────────────────────────────────

3. XML base Remote command
   Response of XML are dividd multi packets.

   Watch EOT attribute of Foot node to judge last packet.
   Watch No attribute of Foot node to check lost packet.
   Retry request, if packet is lost.

   PC   Scanner
                                           UDP Port = 50536

   | GLT,FL\r |
   ──────────────────────────────────────▶

   GLT,<XML>,
   <?xml version="1.0" encoding="utf-8"?>
   <GLT>
     <FL Index="4294967295" Name="Full Database" ...
   />
        ⋮
        ⋮
     <FL Index="18" Name="FL 5" .... />

   ◀── Foot node

```
GLT,<XML>,
<?xml version="1.0" encoding="utf-8"?>
<GLT>
  <FL Index="19" Name="FL 6" ... />
      :
  <FL Index="42" ... />
  <Footer No="2" EOT="0"/>
```

```
GLT,<XML>,
<?xml version="1.0" encoding="utf-8"?>
<GLT>
  <FL Index="44" Name="FL ABC" ... />
      :
  <FL Index="66" ... />
   <Footer No="3" EOT="1"/>
```

End of Transmission