Product Engineering Guide

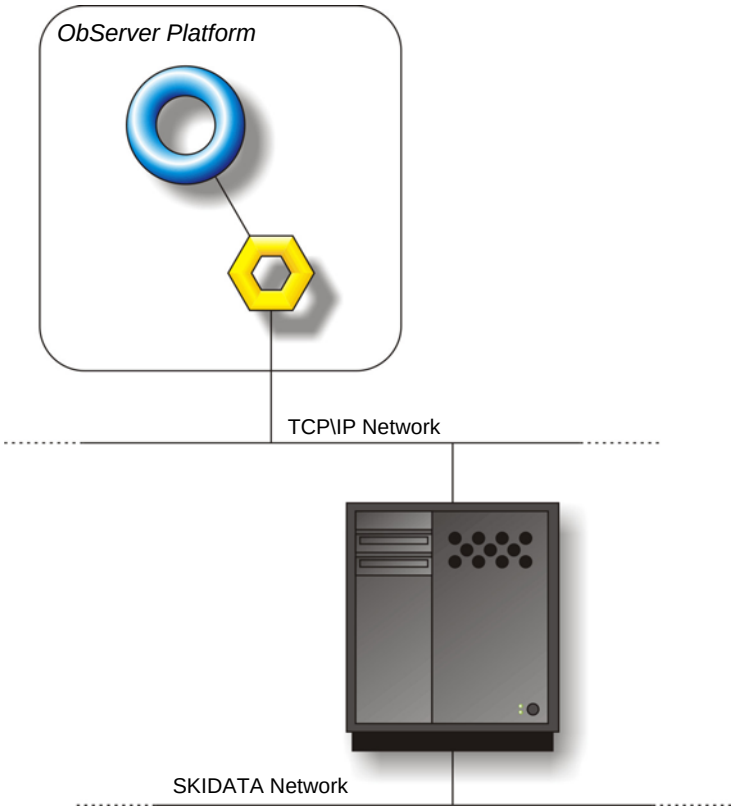
OSM v20 SkiData v10

Introduction

The SkiData OSM interface communicates with the APT SkiData car access control equipment, connecting to the TCP/IP Hostcom interface of the APT SkiData parking logic software. The SkiData OSM communicates with a site, potentially comprising of several car parks each with several devices (pay-on-foot machines, entry/exit columns, sign, door reader, etc.) and counting areas/categories.

The SkiData OSM can:

- Automatically scan the SkiData system to discover car parks, devices, counting areas and categories
- Read the status of individual devices
- Control individual devices (e.g. open/close/lock barrier)
- Globally control all devices within a car park (e.g. fire mode, lock all, etc.)
- Read and adjust occupancy values for parking areas and categories
- Control traffic signals
- Route alarm message events from a device (e.g. barrier impact)



Supported System

The SkiData OSM supports the Hostcom interface of the APT SkiData. Version 18.00.02 or later is required.

Engineering

Step 1 – Install OSM

The SkiData OSM is installed automatically with all ObSys editions. Refer to the 'ObSys CD sleeve' for details on how to install ObSys.

Step 2 – Configure APT SkiData System

Enable and configure the Host Communication module of the APT SkiData parking system software.

The following parameters are recommended:

- Enable Host connection
- Protocol type: Standard II
- Process type: Entire facility
- Enable Permanent connection
- Disable Logon required
- IP address of host: leave blank
- Transfer data: enable all options
- Timeouts: use default settings

Step 3 – Connect Ethernet Port to the SkiData LAN

The SkiData OSM connects to the APT SkiData software using a TCP/IP connection. Check the SkiData server is reachable from the location of where the OSM is installed.

Step 4 – Plug in the SkiData OSM to ObServer

Use object-engineering software, such as ObView, to locate the ObServer Setup object. Assign the SkiData OSM to an available channel. Refer to '*ObServer v20 Application Engineering Guide*'.

Note: After inserting the OSM, your engineering software may need to re-scan the ObServer object in order to view the OSM.

Step 5 – Configure the SkiData interface within the OSM

Configure the APT SkiData server IP address and facility number. The facility number is usually a six digit number (the first few digits indicating a county code, e.g. UK facility numbers begin 55.

A system label, alarm destination and alarm filter options may also be configured. Use object-engineering software to view and modify the objects within the OSM.

The connection state object will indicate once the OSM has established a TCP/IP network connection with the SkiData server.

Step 6 – Access Objects within the SkiData System

Values from the SkiData system are made available as objects from ObServer. Any object software that is connected to the ObServer can access these objects.

Objects

When the OSM is loaded the following objects are created within ObServer, use object software to access these objects.

Object [1]	*Label*	*R/W*	*Type*
S*c*	SkiData System connected to channel *c*	-	*[SkiData v10]* [2]
M*c*	SkiData Module connected to channel *c*	-	*[OSM v20\SkiData v10]*

Notes

[1] The ObServer channel number, *c*, is a number in the range 1…40.

[2] This object has a variable content and as such requires scanning.

Notes

Revision History

Version	Build Date	Details
1.0	03/01/2008	Driver released.