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IPP II SDK POLLING PROTOCOL MESSAGE EXAMPLE

Message EXAMPLE OF GETINFO Request to address 3:

FF FF FF FF FE 03 FE 00 08 00 06 FE F0

This is:

FF FF FF FF	Header
FE	Start Frame Delimiter
03	Destination Address of PM II
FE	Source Address of HLI
00 08	length of message
00 06	Function Code for Get Node Information request
	(No Data in Data Field for this example)
FE F0	Checksum

The checksum is the one's compliment of the sum of the bytes of the Destination Address, Source Address, Length, Function Code, and Data Field if it exists.

03 + FE + 00 + 08 + 00 + 06 = 01 0F hex
One's compliment of 01 0F = FE F0

Note: all data in the frame are in big-endian format.

The following is an example of poll messages to each device on the IPP II SDK test station and the responding answer.

TX: 13/11/2013 10:10:22.319 [13 bytes] FF FF FF FF FE 00 FE 00 08 05 00 FE F4

RX: 13/11/2013 10:10:22.335 [2 bytes] FF FF

RX: 13/11/2013 10:10:22.350 [51 bytes] FF FF FE FE 00 00 30 05 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FE CC

TX: 13/11/2013 10:10:22.444 [15 bytes] FF FF FF FF FE 01 FE 00 0A 02 00 00 00 FE F4

RX: 13/11/2013 10:10:22.475 [3 bytes] FF FF FF

RX: 13/11/2013 10:10:22.475 [15 bytes] FF FE FE 01 00 0D 02 00 00 00 00 FF 5F FD 93

TX: 13/11/2013 10:10:22.585 [13 bytes] FF FF FF FF FE 02 FE 00 08 04 00 FE F3

RX: 13/11/2013 10:10:22.600 [2 bytes] FF FF

RX: 13/11/2013 10:10:22.616 [16 bytes] FF FF FE FE 02 00 0D 04 00 00 00 00 FE C0 FD 30

TX: 13/11/2013 10:10:22.710 [13 bytes] FF FF FF FF FE 03 FE 00 08 01 00 FE F5

RX: 13/11/2013 10:10:22.725 [4 bytes] FF FF FF FF

RX: 13/11/2013 10:10:22.741 [68 bytes] FE FE 03 00 43 01 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 00 FE BA

TX: 13/11/2013 10:10:22.835 [14 bytes] FF FF FF FF FE 04 FE 00 09 03 00 00 FE F1

RX: 13/11/2013 10:10:22.850 [5 bytes] FF FF FF FF FE

RX: 13/11/2013 10:10:22.882 [12 bytes] FE 04 00 0C 03 00 00 00 FF 5F FD 90

TX: 13/11/2013 10:10:22.975 [13 bytes] FF FF FF FF FE 05 FE 00 08 06 00 FE EE

RX: 13/11/2013 10:10:22.991 [3 bytes] FF FF FF

RX: 13/11/2013 10:10:23.007 [13 bytes] FF FE FE 05 00 0B 06 00 00 00 00 FE EB