SNMP

SMU-4000

SNMP Plug-in Management Controller

IRT ELECTRONICS

User Manual

Revision History:

Revision	Date	By	Change Description	Applicable to:
00	08/11/2004	AL	Original Issue.	S/N: ≥ 0406001
01	15/02/2008	AL	Amendments take out reference of CDM-4000 to CDM-xxxx.	S/N: ≥ 0406001
02	06/06/2014	AL	Reformatted layout.	S/N: ≥ 0406001

USER MANUAL

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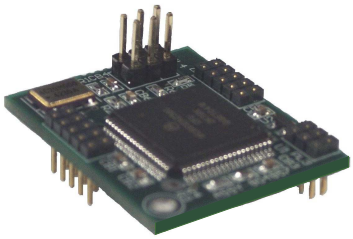
This instruction book applies to units later than S/N: 0406001.

GENERAL DESCRIPTION



The SMU-4000 is a Simple Network Management Protocol (SNMP) plug-in interface option for IRT 4000 series modules when used in IRT's SNMP capable frames.

The SMU-4000 is programmed with a Management Information Base (MIB) suitable for the type of module that it is to be plugged into.

IRT 4000 series cards that are SNMP upgradeable need the SMU-4000 plug-in module programmed with their own relevant MIB to be recognisable by the SNMP system.

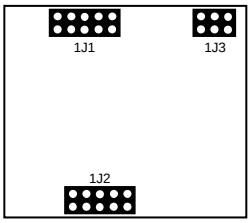
The SMU-4000 acts as an interface between the module that it is plugged into and the CDM-xxxx SNMP Agent within the SNMP capable frame. Module conditions such as alarm states or signal conditions are communicated to the SNMP Network Management System (NMS) via the CDM-xxxx SNMP Agent. Likewise control commands are communicated from the NMS, to the SNMP Agent, to the relevant module via the SMU-4000 plug-in module.

Standard Features:

- **Plug-in SNMP option for IRT 4000 series cards**
- **Programmable Management Information Base (MIB) to suit intended module**

INSTALLATION

The SMU-4000 plug-in SNMP management controller module can only be fitted to IRT's 4000 series modules that are capable of being SNMP upgradeable. To determine whether a module is SNMP upgradeable, a square section on the main PCB is silk screened and fitted with three multipin sockets – as shown below:



This is where the SMU-4000 plug-in SNMP management controller module is fitted. The three sets of multipins on the underside of the SMU-4000 line up with the three sets of multipin sockets on the main PCB module. Align all pins and then gently press the SMU-4000 all the way down into place.

If the SMU-4000 is not already programmed with the correct firmware to match the module that it is being plugged into, it then needs to be programmed via the pins on the topside of the SMU-4000.

Note that installation will generally be done by IRT Electronics at the time of ordering.

Note also that an SMU-4000 will only be functionally operational when the main module that it is plugged into is fitted into an IRT SNMP capable frame fitted with a CDM-xxxx SNMP agent and being interrogated by a suitable Network Management System.

MAINTENANCE & STORAGE

Maintenance:

No regular maintenance is required.

Care however should be taken to ensure that all connectors are kept clean and free from contamination of any kind. This is especially important in fibre optic equipment where cleanliness of optical connections is critical to performance.

Storage:

If the equipment is not to be used for an extended period, it is recommended the whole unit be placed in a sealed plastic bag to prevent dust contamination. In areas of high humidity a suitably sized bag of silica gel should be included to deter corrosion.

Where individual circuit cards are stored, they should be placed in antistatic bags. Proper antistatic procedures should be followed when inserting or removing cards from these bags.

WARRANTY & SERVICE

Equipment is covered by a limited warranty period of three years from date of first delivery unless contrary conditions apply under a particular contract of supply. For situations when "**No Fault Found**" for repairs, a minimum charge of 1 hour's labour, at IRT's current labour charge rate, will apply, whether the equipment is within the warranty period or not.

Equipment warranty is limited to faults attributable to defects in original design or manufacture. Warranty on components shall be extended by IRT only to the extent obtainable from the component supplier.

Equipment return:

Before arranging service, ensure that the fault is in the unit to be serviced and not in associated equipment. If possible, confirm this by substitution.

Before returning equipment contact should be made with IRT or your local agent to determine whether the equipment can be serviced in the field or should be returned for repair.

The equipment should be properly packed for return observing antistatic procedures.

The following information should accompany the unit to be returned:

1. A fault report should be included indicating the nature of the fault
2. The operating conditions under which the fault initially occurred.
3. Any additional information, which may be of assistance in fault location and remedy.
4. A contact name and telephone and fax numbers.
5. Details of payment method for items not covered by warranty.
6. Full return address.
7. For situations when "**No Fault Found**" for repairs, a minimum charge of 1 hour's labour will apply, whether the equipment is within the warranty period or not. Contact IRT for current hourly rate.

Please note that all freight charges are the responsibility of the customer.

The equipment should be returned **to the agent who originally supplied the equipment** or, where this is not possible, to IRT directly. Details of IRT's direct address can be found at IRT Electronics' website.

Web address: www.irtelectronics.com

Email: sales@irtelectronics.com