



AN-165

Protege Module Power Consumption

Application Note



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Introduction

The Protege system is an integrated access control, intrusion detection and building automation solution that incorporates a range of connected hardware modules. When planning your installation, it is important to consider the power consumption of each connected module.

The following topics list the operating currents of all ICT components.

For a more detailed overview of each module and its power usage, please consult the relevant installation manual, available on the ICT website (<http://www.ict.co>).

Power Consumption

Power Supplies

Product	Operating Current
PRT-PSU-DIN-2A	140mA (Typical)
Product	Mains Input Operating Current
PRT-PSU-DIN-4A	120VAC 1.5A (Full Load)
PRT-PSU-DIN-8A	120VAC 2.5A (Full Load)

Controllers

Product	Operating Current
PRT-CTRL-DIN	120mA (Typical)
PRT-CTRL-DIN-1D	120mA (Typical)
PRT-GX-PCB	120mA (Typical)
PRT-WX-DIN	120mA (Typical)
PRT-WX-DIN-1D	120mA (Typical)

Keypads

Product	Operating Current
PRT-KLCD	38mA (59mA Max)
PRT-KLCS	60mA (95mA Max)

Proximity Readers

Product	Operating Current
tSec Standard Reader	254mA (Peak, Reading)
tSec Extra Reader	298mA (Peak, Reading)
tSec Mini Reader	203mA (Peak, Reading)
PRT-TS35	260mA (340mA Max)

Reader Expanders

Product	Operating Current
PRT-RDM2-DIN-485	80mA (Typical)
PRT-HRDM-DIN	80mA (Normal Standby)
PRT-F2F8-DIN	50mA (Typical) No outputs connected

Input/Output Expanders

Product	Operating Current
PRT-ZX16-DIN	80mA (Typical)
PRT-HZX16-DIN	80mA (Normal Standby)
PRT-ZX8-DIN	50mA (Typical)
PRT-ZX1	20mA (Typical)
PRT-ISO16-DIN	80mA (Typical)
PRT-ADC4-DIN	80mA (Typical)
PRT-IO84-DIN	80mA (Typical)
PRT-PX8-DIN	80mA (Typical)
PRT-HPX8-DIN	80mA (Normal Standby)
PRT-DAC4-DIN	80mA (Typical)

Communication Products

Product	Operating Current
PRT-MNR2-DIN	65mA (Typical)

Intercom Products

Product	Operating Current
PRT-IPIC-POE	1A
PRT-IPIC-POE-C	1A
PRT-ENTR-17	4A

Wireless Products

Product	Operating Current
PRT-4G-USB	300mA (Max)
RF-RCVR-433	55mA
PRT-IVO-IF	160mA @ 13.0V DC (Typical)

Sensors

Product	Operating Current
PIR-EAS	15mA (Normal) 20mA (Max) 15mA when LED disabled (JP2 LED off)
PIR-EAS-PET	15mA (Normal) 20mA (Max) 15mA when LED disabled (JP2 LED off)
PRT-ATH1	20mA (Typical)

Accessory Products

Product	Operating Current
PRT-USB-ETH	100mA (Max)

Designers & manufacturers of integrated electronic access control, security and automation products.
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