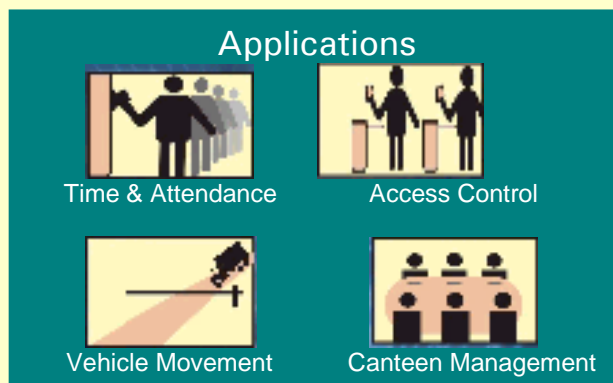


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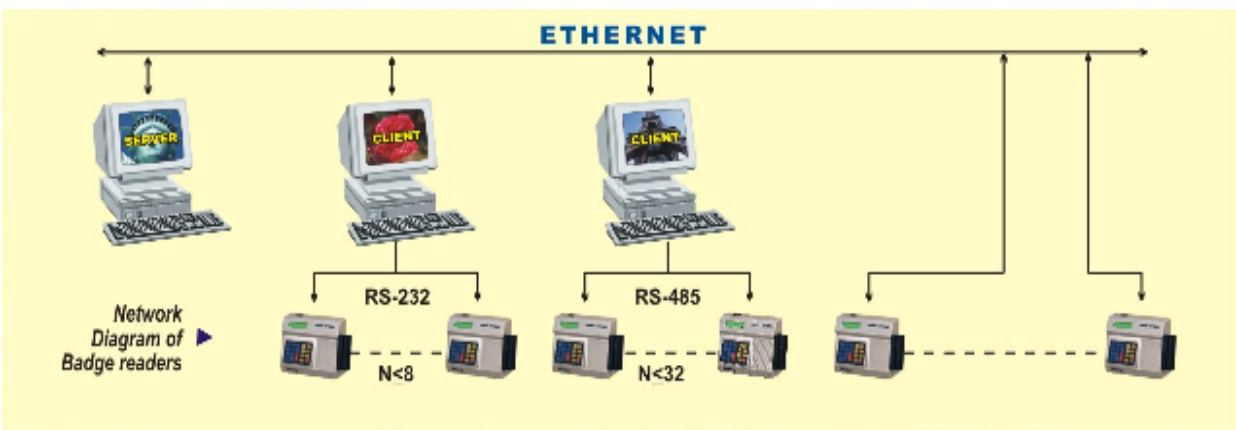


## Finger Print based Time Attendance & Access Control Solutions



Parameters	CA 202 – FP
<b>Controller</b>	RISC & DSP processor based
<b>Communication interface</b>	Integrated Onboard TCP-IP @ 10/100 mbps
<b>Access modes</b>	Either (i) Card + Finger (ii) PIN + Finger (iii) Card only (iv) Finger only.
<b>Card options</b>	Proximity card / Smart card
<b>Card Read range</b>	Upto 50 mm depending on the environmental EM conditions
<b>Finger print sensor</b>	Optical type
<b>Template Storage</b>	9000 finger print templates (384 bytes per template)
<b>Enrollment time</b>	4 seconds
<b>Verification time</b>	< 1 second when used in the following access modes: Card + Finger / PIN+ Finger / Card only
<b>False Acceptance rate</b>	1 in 10,000 (programmable for each template)
<b>False Rejection rate</b>	1 in 1,000
<b>Configurable percentage of Fingerprint matching</b>	Yes
<b>Fingerprint displacement</b>	± 30° with Finger Guide provided
<b>Display / Indication</b>	2 X 16 character LCD with backlit
<b>Memory</b>	Flash 512 KB supports 5000 E.mask entries and 10,400 employee data storage
<b>Keypad</b>	Yes
<b>Data capture</b>	Online / Offline downloading
<b>IN/OUT Read mode selection</b>	Switch / Software / Additional card reader
<b>Data retention</b>	RTC with battery backup (for upto 5 years)
<b>Other features</b>	<ul style="list-style-type: none"> <li>➤ Firmware updation via LAN network</li> <li>➤ 4 Relay outputs and 4 Feed back signal for Access Control</li> <li>➤ Spare 4 Nos. of I/O signals</li> <li>➤ Parallel port for Printer Interface by default</li> <li>➤ Onboard eight channel A/D converter and comparators for logical operation</li> <li>➤ Multi-user application software in Windows under MS Access/ Oracle/ SQL capable of generating more than 100 reports including daily, weekly, monthly reports.</li> </ul>

Parameters	CA 202 – FP
<b>Electrical Features</b>	<ul style="list-style-type: none"> <li>➤ Voltage 230 V AC Standard and 110V AC optional</li> <li>➤ Rechargeable battery backup for 8 hours operation</li> <li>➤ Power 5 VA typical</li> </ul>
<b>Physical Characteristics</b>	<ul style="list-style-type: none"> <li>➤ Dimension</li> <li>➤ Mounting type</li> <li>➤ Weight</li> </ul>
<b>Environmental Conditions</b>	<ul style="list-style-type: none"> <li>➤ Operating temperature</li> <li>➤ Humidity</li> </ul>



Disclaimer: Finger Print enrollment and verification results are subject to FP quality of individuals. For those FP reading is not consistent, we recommend card only option.

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